

Print selected from 09-738,954.trn05/23/2003

FILE 'HOME' ENTERED AT 09:01:44 ON 22 MAY 2003

=> full caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	0.21	0.21
FULL ESTIMATED COST		

FILE 'CAPLUS' ENTERED AT 09:01:53 ON 22 MAY 2003
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FILE COVERS 1907 - 22 MAY 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 MAY 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e us2002045194/pn
E1 1 US2002045192/PN
E2 1 US2002045193/PN
E3 2 --> US2002045194/PN
E4 2 US2002045195/PN
E5 1 US2002045196/PN
E6 1 US2002045197/PN
E7 1 US2002045198/PN
E8 1 US2002045199/PN
E9 3 US2002045200/PN
E10 1 US2002045201/PN
E11 1 US2002045202/PN
E12 1 US2002045203/PN

=> s e3
L1 2 US2002045194/PN

=> d 1-2
L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
AN 2001:763323 CAPLUS
DN 135:315598
TI Methods for proteomic analysis using activity based probes for target proteins
IN Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PA Scripps Research Institute, USA
SO PCT Int. Appl., 119 pp.
CODEN: PIXXD2

Print selected from 09-738,954.trn05/23/2003

DT Patent
LA English
FAN.CNT 2

PATENT NO.

KIND DATE

APPLICATION NO. DATE

PI	WO 2001077684	A2	20011018	WO 2000-US34187	20001215
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, BY, BZ, CA, CH, CN, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
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EP	1275006	A2	20030115	EP 2000-990226	20001215
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US	2002064799	A1	20020530	US 2001-836145	20010416
US	2002182652	A1	20021205	US 2002-158498	20020529
PRAI	US 2000-195954P	P	20000410		
US	2000-212891P	P	20000620		
US	2000-222532P	P	20000802		
US	2000-738271	A1	20001215		
US	2000-738954	A1	20001215		
WO	2000-US34187	W	20001215		
OS	MARPAT 135:315598				

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2001:763309 CAPLUS

DN 135:315597

TI Methods for bioactivity screening of candidate compounds using activity based probes

IN Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory

PA Scripps Research Institute, USA

SO PCT Int. Appl., 118 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

PATENT NO.

KIND DATE

APPLICATION NO. DATE

PI	WO 2001077668	A2	20011018	WO 2000-US34167	20001215
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
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Print selected from 09-738,954.crn05/23/2003

US 2002182652	A1	20021205	US 2002-158498	20020529
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US 2000-738271	A1	20001215		
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OS MARPAT 135:315597				

=> sel rn 2
E1 THROUGH E94 ASSIGNED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	4.66	4.87

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 09:02:51 ON 22 MAY 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNOC 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S. e1-e94

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	(10049-08-8/RN)
1	107-29-9/BI
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=> d 1-94

L2 ANSWER 1 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-57-8 REGISTRY
CN L-lysine, L-cytosyl-L-valyl-L-leucylglycyl-L-asparaginy-L-prolyl-L-leucyl-L-threonyl-L-glutamylglycyl-L-isoleucyl-L-isoleucyl-L-asparaginy-L-glutamylglycyl-L-prolyl-L-glutamyl-L-isoleucyl-L-alpha.-aspartyl- (9CI) (CA INDEX NAME)

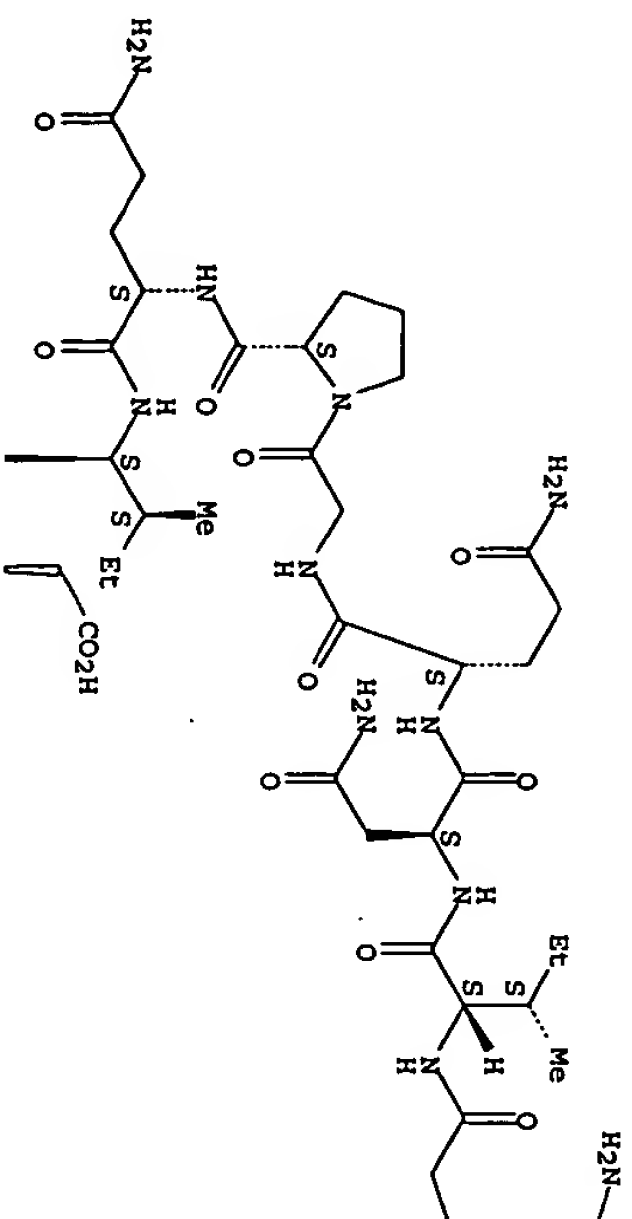
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MF C91 H147 N25 O29
SR CA

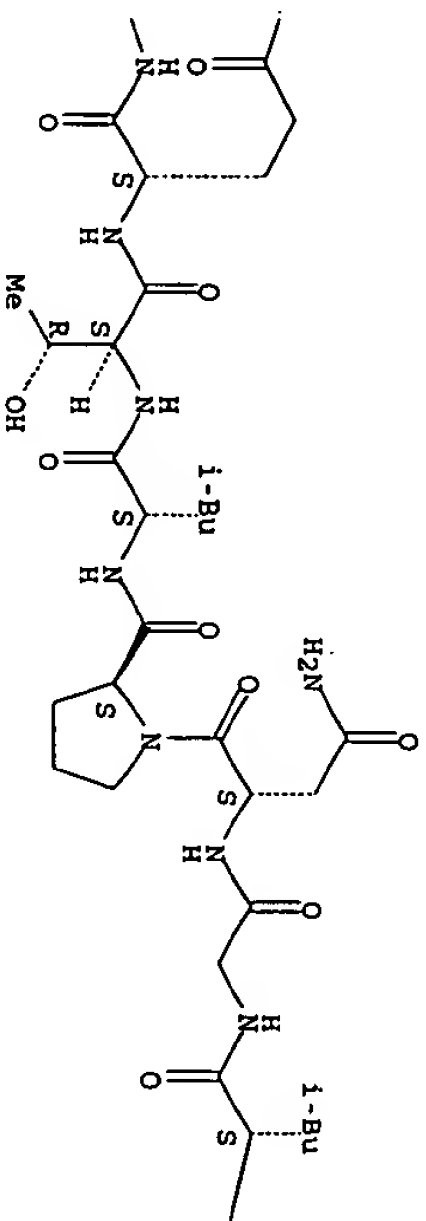
LC STN Files: CA, CAPLUS, USPTFULL

Absolute stereochemistry.

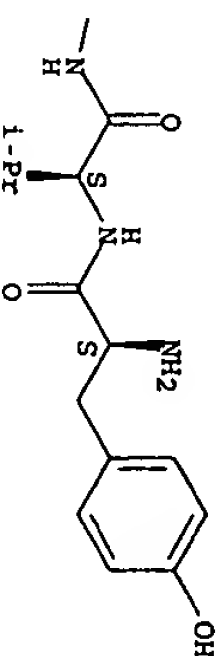
PAGE 1-A



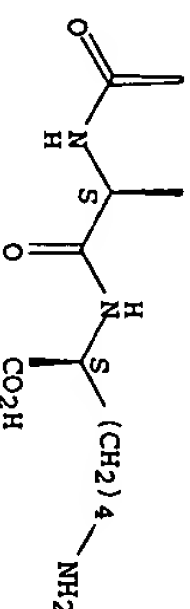
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PAGE 1-C



PAGE 2-A



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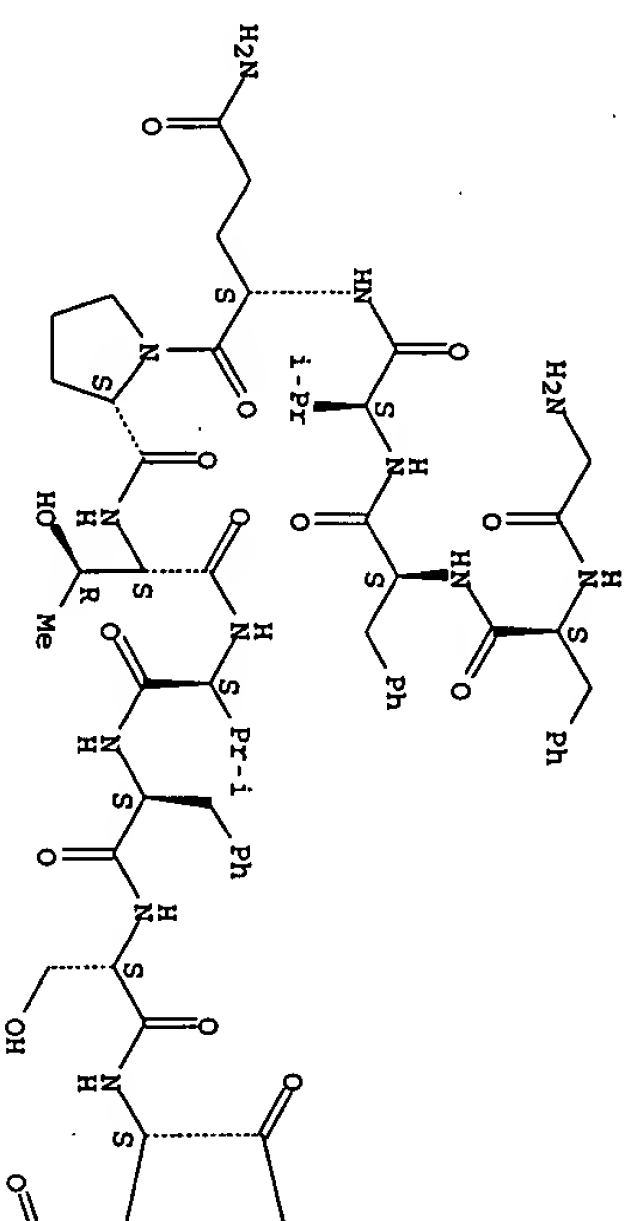
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1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

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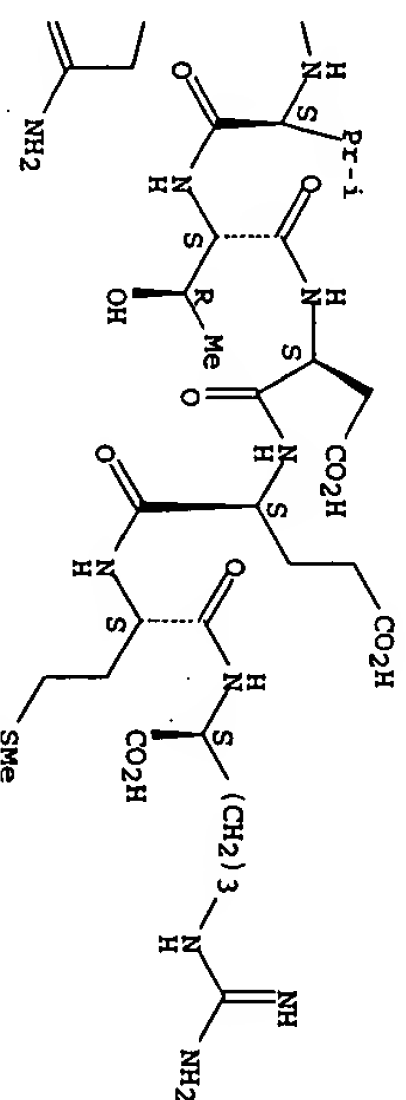
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CN 9: PN: W00177668 FIGURE: 13 unclaimed sequence

Print selected from 09-738,954.tin05/23/2003

FS PROTEIN SEQUENCE; STEREOSEARCH
MF C89 H132 N22 O27 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
Absolute stereochemistry.



PAGE 1-B



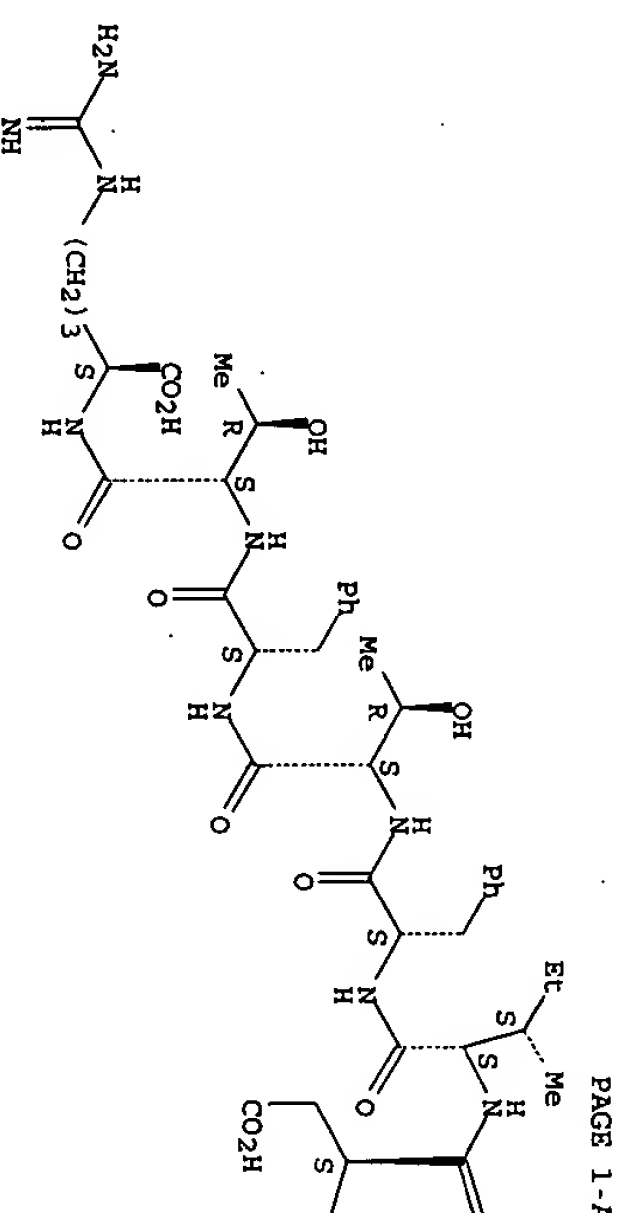
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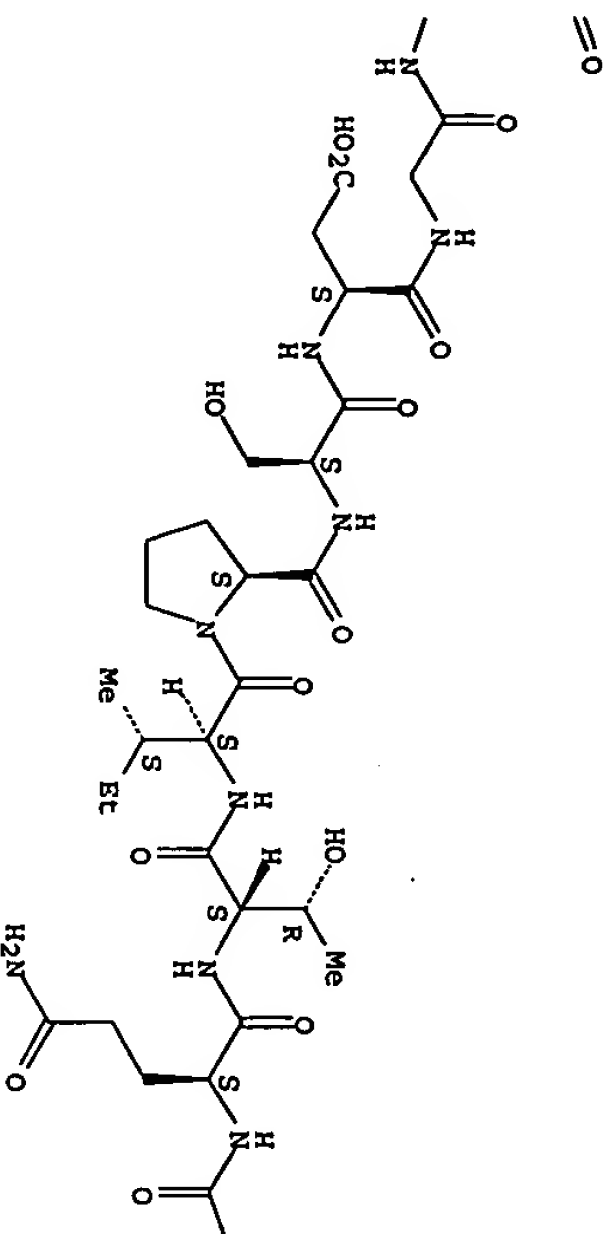
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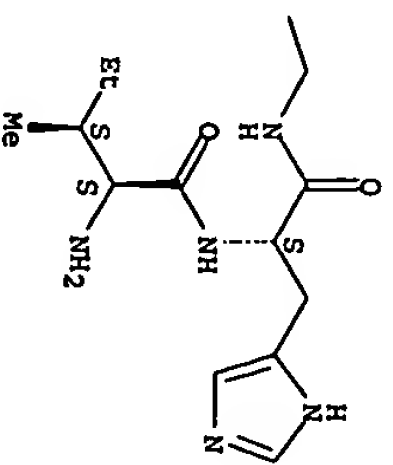
L2 ANSWER 3 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-54-5 REGISTRY
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OTHER NAMES:
CN 8: PN: W00177668 FIGURE: 13 unclaimed sequence
CN 8: PN: W00177684 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C85 H129 N23 O27
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
Absolute stereochemistry.





PAGE 1-C



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 4 OF 94 REGISTRY COPYRIGHT 2003 ACS

CN L-lysine, L- α -glutamyl-L-leucylglycyl-L- α -glutamy-L-heticidylglycyl-L-leucyl-L-tyrosyl-L- α -glutamyl-L-tyrosyl-L-threonyl-L- α -glutamyl-L-leucyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7: PN: WO0177668 FIGURE: 13 unclaimed sequence

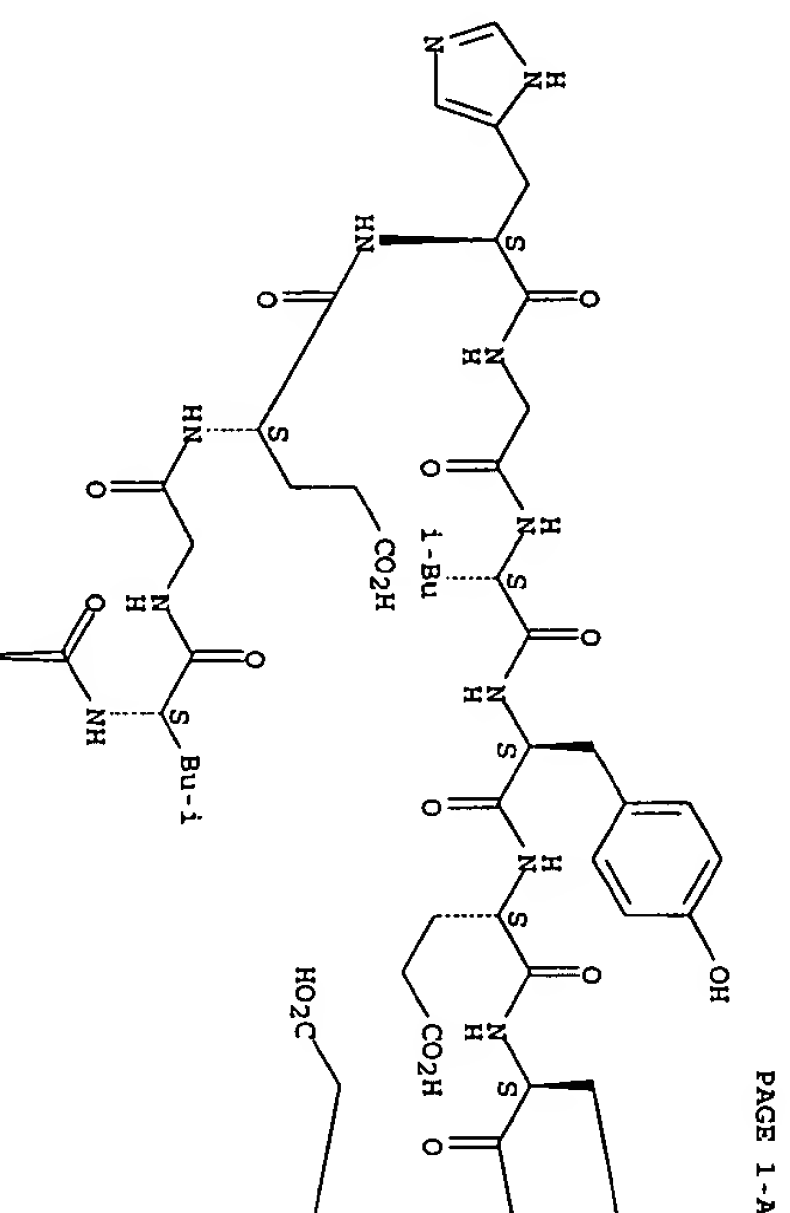
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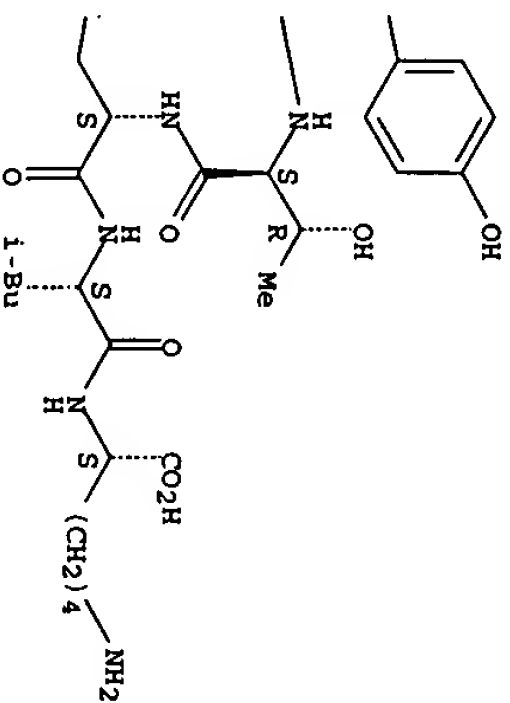
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PAGE 1-A

PAGE 1-B



PAGE 2-A



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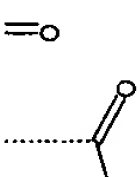
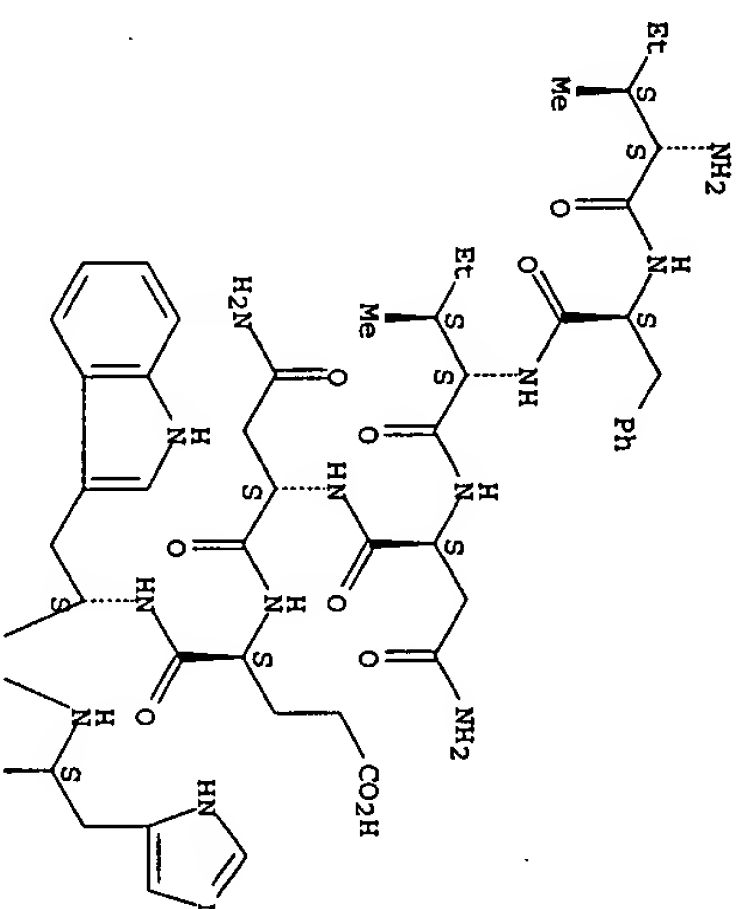
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L2 ANSWER 5 OF 94 REGISTRY COPYRIGHT 2003 ACS
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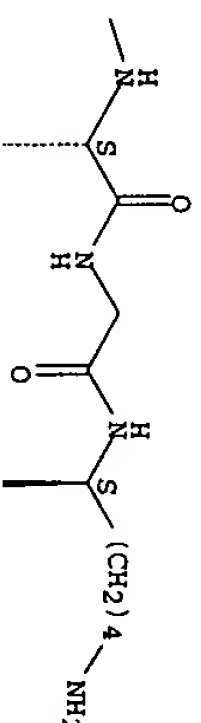
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LC STN Files: CA, CAPLUS, USPATFUL

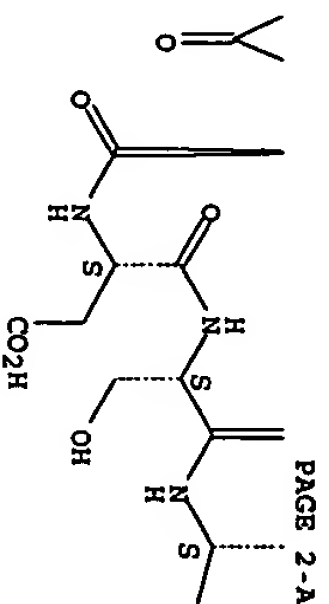
Absolute stereochemistry.

PAGE 1-A



PAGE 1-B





PAGE 2-A



PAGE 2-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 6 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 367944-50-1 REGISTRY

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OTHER NAMES:

CN 5: PN: WO0177668 FIGURE: 13 unclaimed sequence

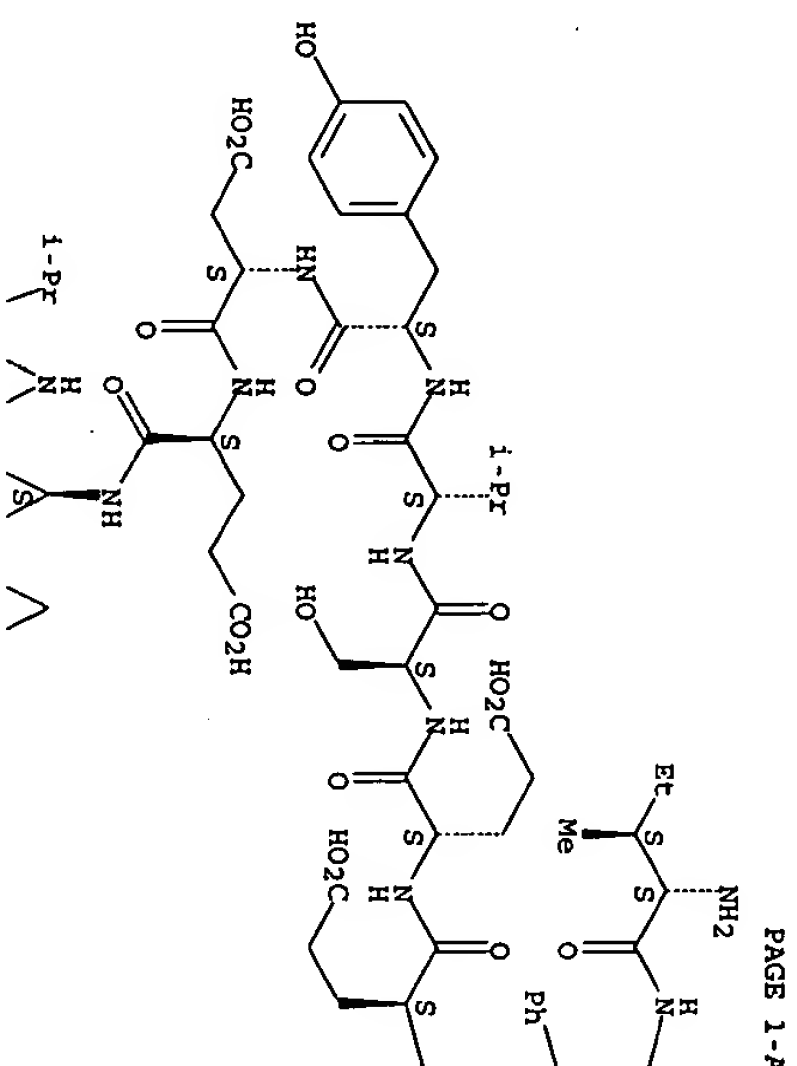
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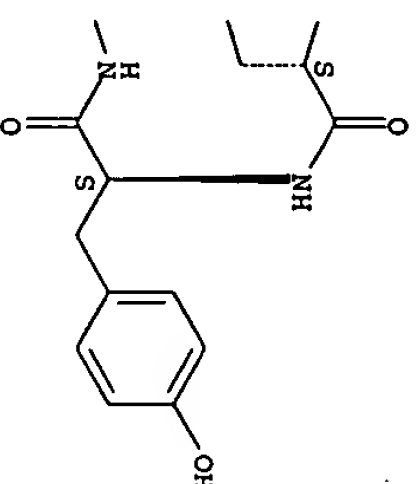
SR CA

LC STN Files: CA, CAPUS, USPATFULL

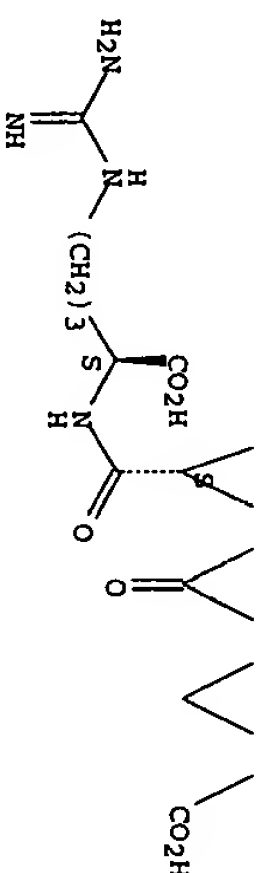
Absolute Stereochemistry.



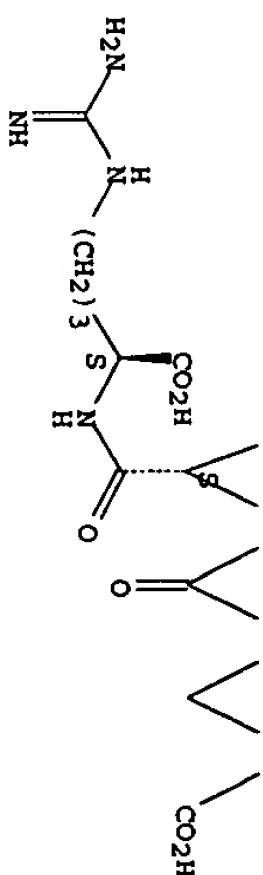
PAGE 1-A



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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

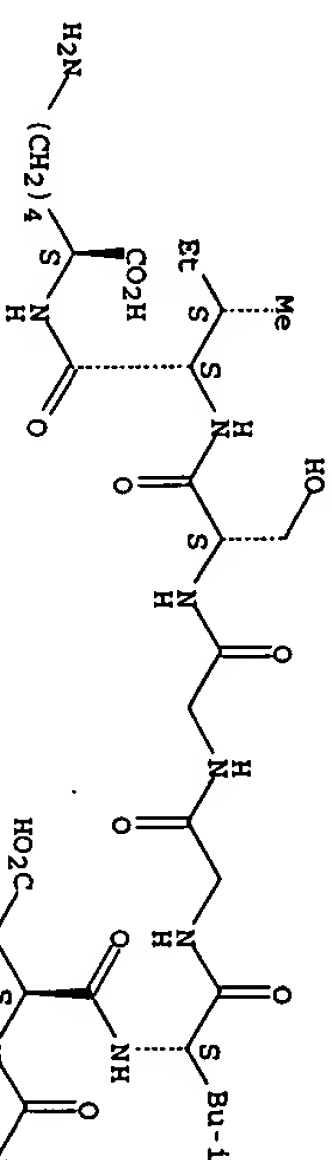
1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 7 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-49-8 REGISTRY
CN L-lysine, L-valyl-L-phenylalanyl-L-alanyl-L-asparaginy-L-alanyl-L-tyrosyl-L-leucyl-L-seryl-L-.alpha.-aspartyl-L-leucylglycylglycyl-L-seryl-L-isoleucyl- (9CI) (CA INDEX NAME)

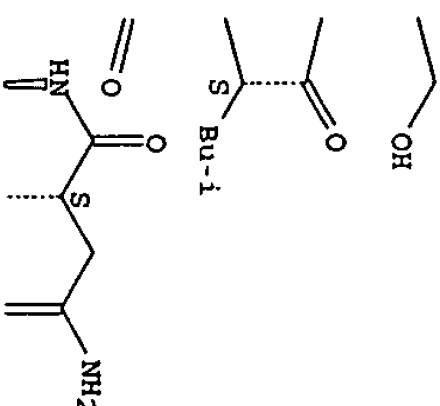
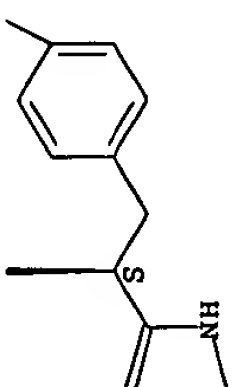
OTHER NAMES:

CN 4: PN: W00177668 FIGURE: 13 unclaimed sequence
CN 4: PN: W00177684 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C71 H11 N17 O22
SR CA
LC STN files: CA, CAPLUS, USPATFULL

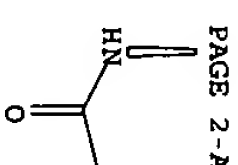
Absolute stereochemistry.



PAGE 1-A

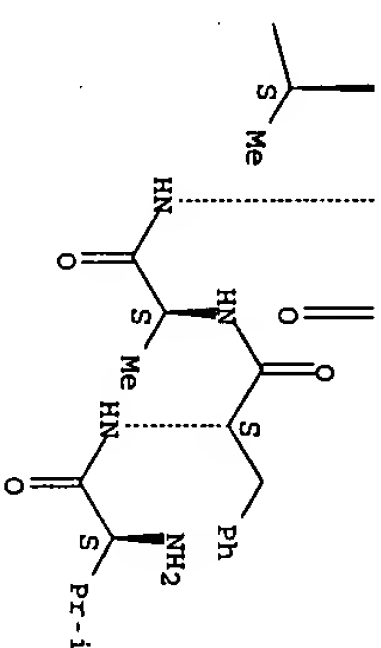


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

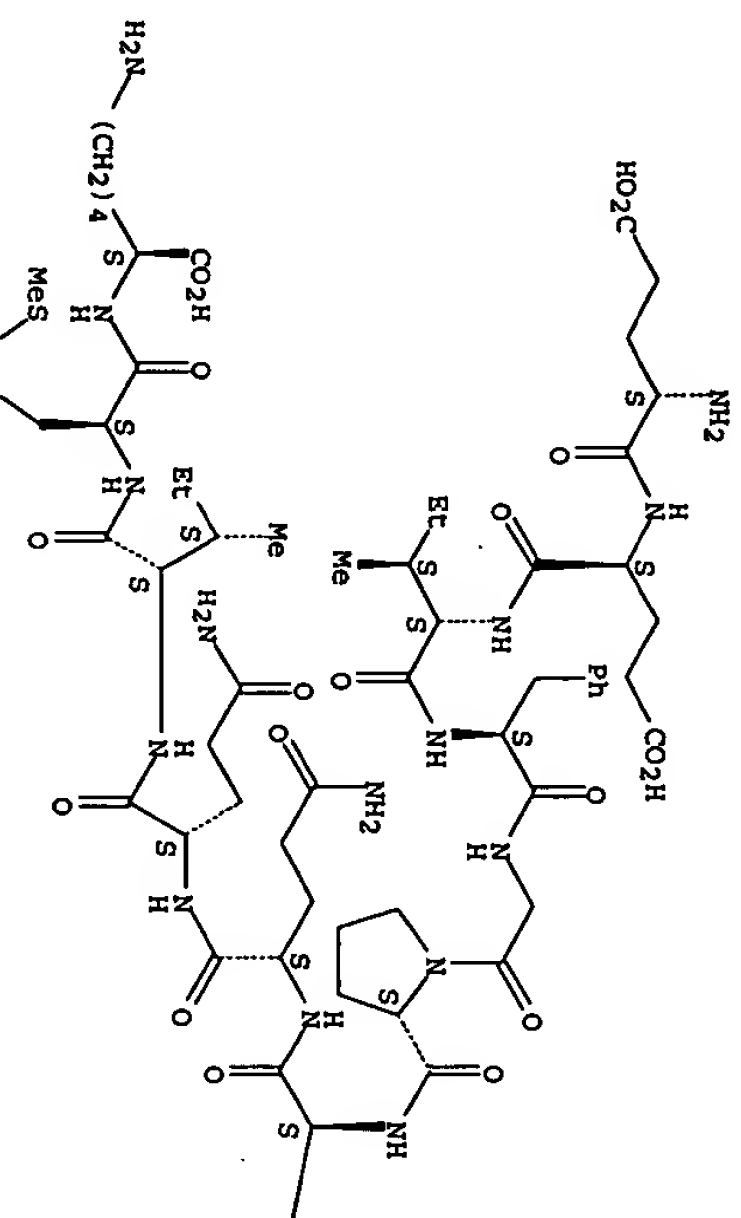
L2 ANSWER 8 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-48-7 REGISTRY
CN L-Lysine, L-.alpha.-glutamyl-L-.alpha.-glutamyl-L-isoleucyl-L-phenylalanylglycyl-L-prolyl-L-valyl-L-glutamyl-L-glutamyl-L-isoleucyl-L-methylonyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3: PN: W00177668 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C64 H103 N15 O19 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 9 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367944-47-6 REGISTRY
CN L-Arginine, L-glutamyl-L-alanyl-L-phenylalanyl-L-isoleucylglycyl-L-seryl-L-prolyl-L-tryptophyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2: PN: W00177668 FIGURE: 13 unclaimed sequence
CN 2: PN: W00177684 FIGURE: 13 unclaimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
MF C50 H72 N14 O12
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

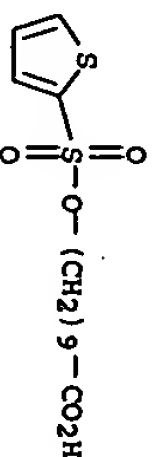
PAGE 2-A



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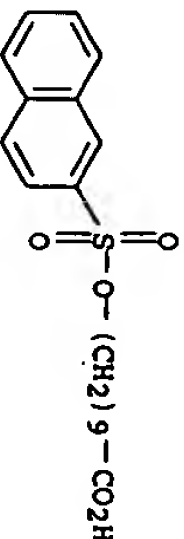
L2 ANSWER 12 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-35-4 REGISTRY
CN Decanoic acid, 10-[(2-phenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H22 O5 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

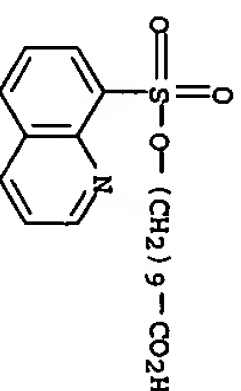
L2 ANSWER 13 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-31-0 REGISTRY
CN Decanoic acid, 10-[(2-naphthalenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H26 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

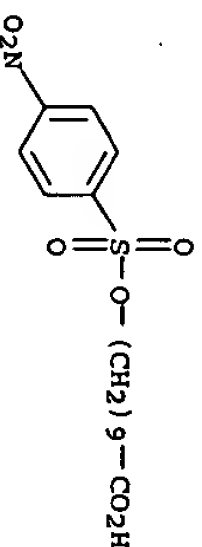
L2 ANSWER 14 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-27-4 REGISTRY
CN Decanoic acid, 10-[(8-quinolylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H25 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 15 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-24-1 REGISTRY
CN Decanoic acid, 10-[(4-nitrophenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H23 N O7 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



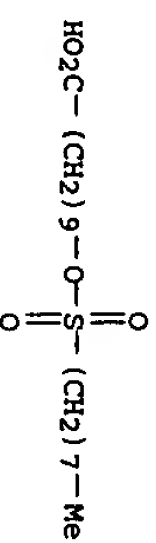
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 16 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-19-4 REGISTRY

Print selected from 09-738,954.trn05/23/2003

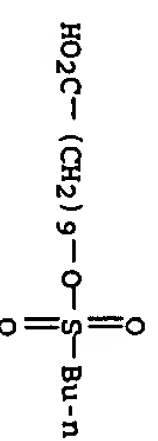
CN Decanoic acid, 10-[(octylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H36 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

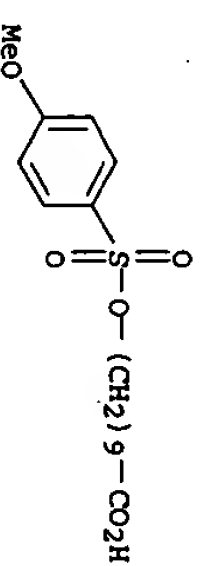
L2 ANSWER 17 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-14-9 REGISTRY
CN Decanoic acid, 10-[(butylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H28 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



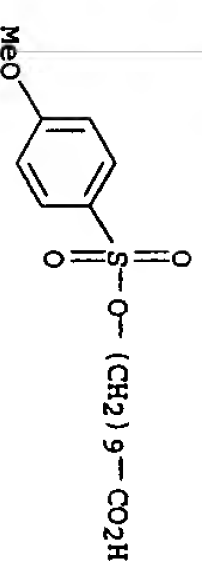
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 18 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-05-8 REGISTRY
CN Decanoic acid, 10-[(4-methoxyphenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H26 O6 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



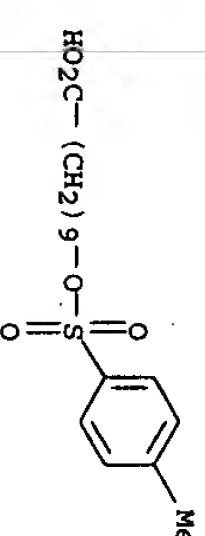
Print selected from 09-738,954.trn05/23/2003



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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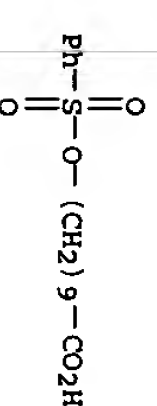
L2 ANSWER 19 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367479-00-3 REGISTRY
CN Decanoic acid, 10-[(4-methylphenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H26 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 20 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-96-4 REGISTRY
CN Decanoic acid, 10-[(phenylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H24 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

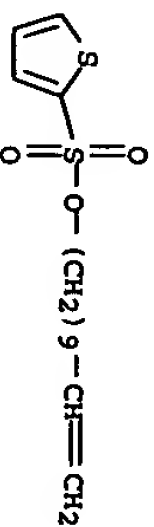


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

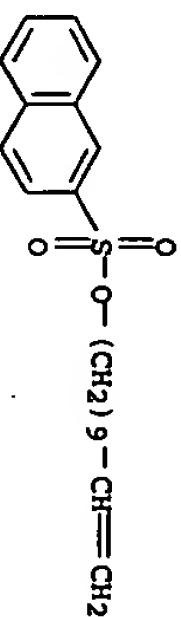
L2 ANSWER 21 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-88-4 REGISTRY
CN 2-Thiophenesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H24 O3 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 22 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-84-0 REGISTRY
CN 2-Naphthalenesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H28 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 23 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-80-6 REGISTRY
CN 8-Quinolinesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H27 N O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

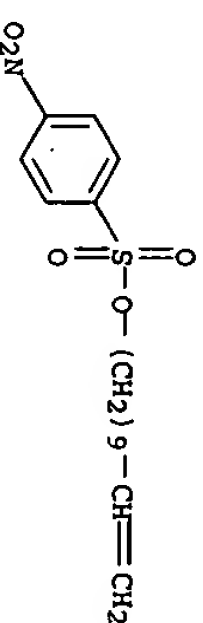
Print selected from 09-738,954.lrn05/23/2003



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

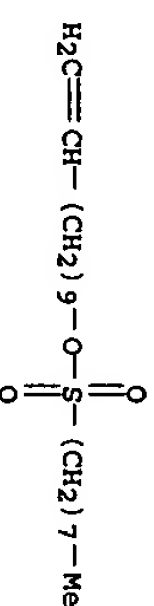
L2 ANSWER 24 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-76-0 REGISTRY
CN Benzenesulfonic acid, 4-nitro-, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H25 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

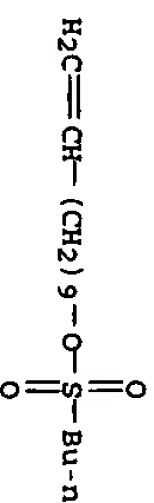
L2 ANSWER 25 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-71-5 REGISTRY
CN 1-Octanesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H38 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

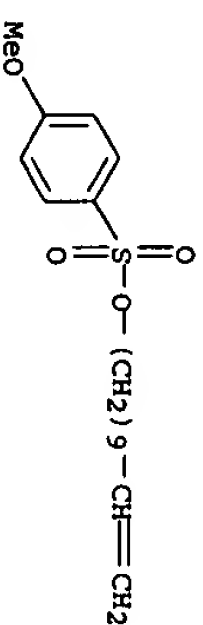
L2 ANSWER 26 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-66-8 REGISTRY
CN 1-Butanesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H30 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 27 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-57-7 REGISTRY
CN Benzenesulfonic acid, 4-methoxy-, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H28 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

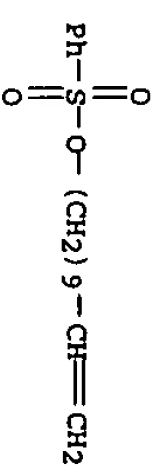


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 28 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 367478-49-7 REGISTRY
CN 10-Undecen-1-ol, benzenesulfonate (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C17 H26 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

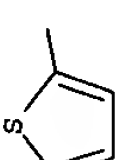
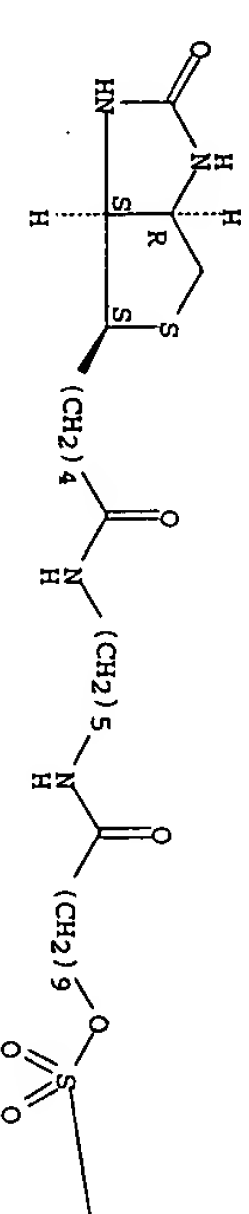


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 29 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-27-2 REGISTRY
CN 2-Thiophenesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino]pentyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H48 N4 O6 S3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



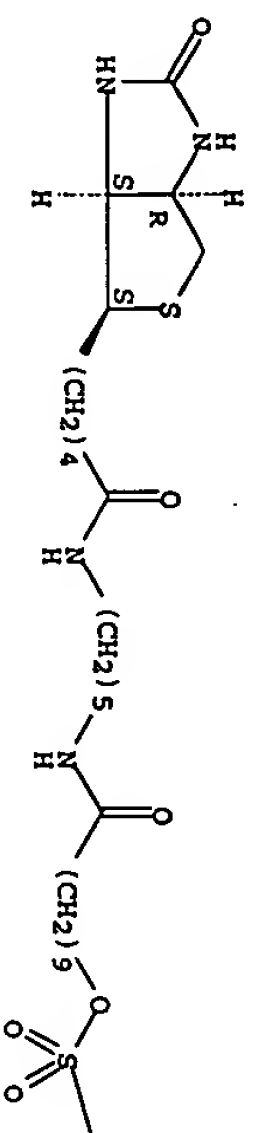
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

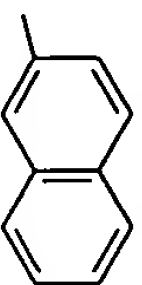
L2 ANSWER 30 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-26-1 REGISTRY
 CN 2-Naphthalenesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 PS STEREOSEARCH
 MF C35 H52 N4 O6 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 31 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-25-0 REGISTRY
 CN 8-Quinolinesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 PS STEREOSEARCH
 MF C34 H51 N5 O6 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

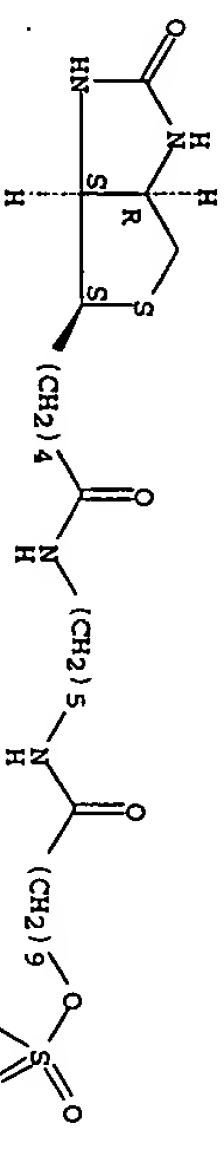
Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

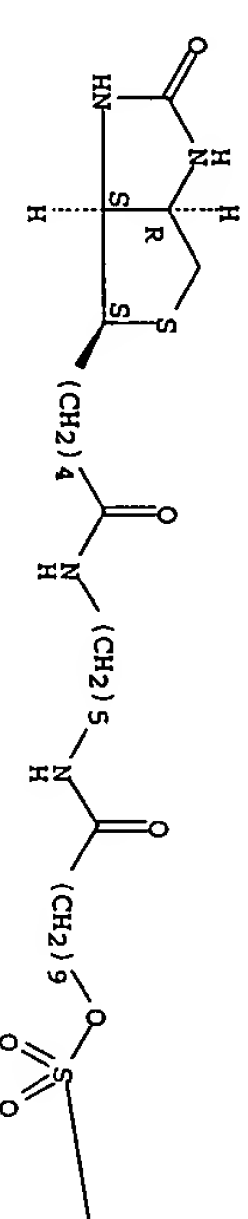
4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 32 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 342792-24-9 REGISTRY
 CN Benzenesulfonic acid, 4-nitro-, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl)amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
 PS STEREOSEARCH
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 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

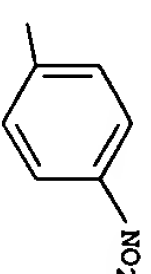
Absolute stereochemistry.



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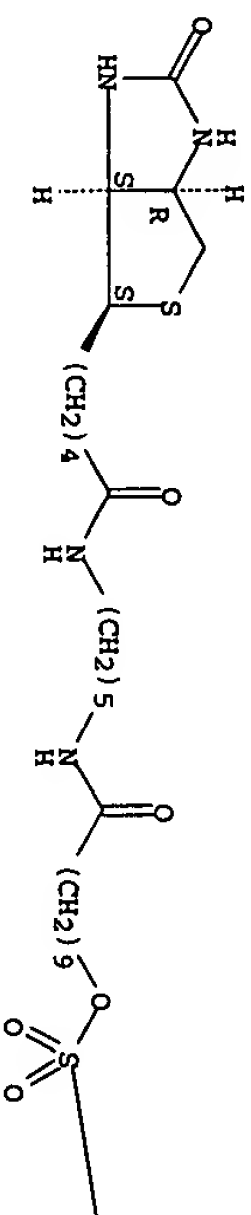
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

RN	REGISTRY
CN	342792-23-8 1-Octanesulfonic acid, 10-[[[5-[(3 <i>S</i> , 4 <i>S</i> , 6 <i>R</i>)-hexahydro-2-oxo-1 <i>H</i> -thieno[3,4- <i>d</i>]imidazol-4- <i>yl</i>]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9 <i>CI</i>) (CA INDEX NAME)

LC STN Files: CA, CAPLUS, USPATFULL

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4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 34 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-22-7 REGISTRY
CN 1-Butanesulfonic acid, 10-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazo[4-γ]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)

MF C29 H54 N4 O6 S2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

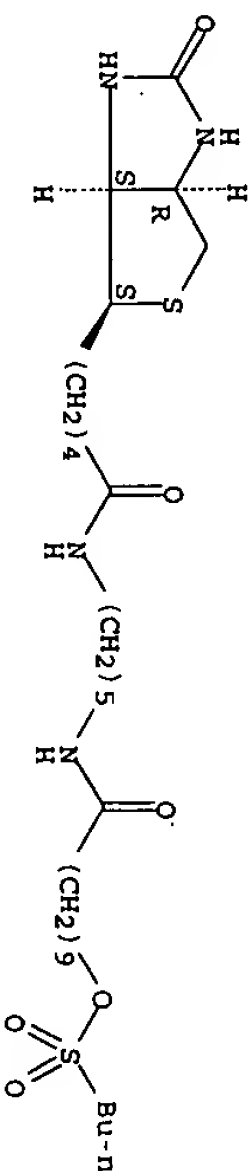
L2	ANSWER 35 OF 94	REGISTRY	COPYRIGHT 2003 ACS
RN	342792-21-6	REGISTRY	
CN	1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[(10- [(methylsulfonyl)oxy]-1-oxodecyl]amino)pentyl]-2-oxo-, (3aS,4S,6aR)- (9CI) (CA INDEX NAME)		

MF C26 H48 N4 O6 S2

SR CA

LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.



4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2	ANSWER	36	OF	94	REGISTRY	COPYRIGHT	2003	ACS
RN	342793	-20-5	REGISTRY					
CN	Benzenesulfonic acid, 4-methoxy-, 10-[(5-[(3aS,4S,6AR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazo[4,4-y1]-1-oxopentyl]amino)pentyl]-10-oxodecyl ester (9CI)							(CA INDEX NAME)

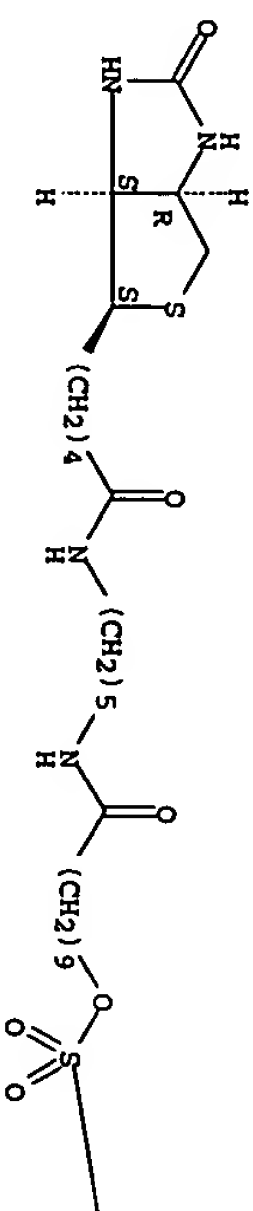
MF C32 H52 N4 O7 S2

SR CA

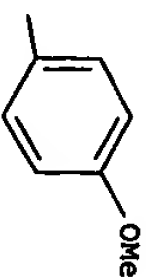
LC STN Files: CA, CAPLUS, USPATEFULL

Absolute stereochemistry.

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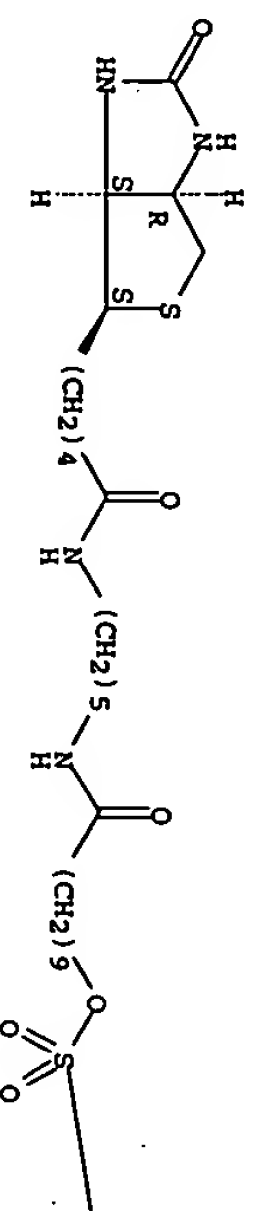
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

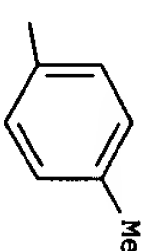
L2 ANSWER 37 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-19-2 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[[10-[[4-methylphenyl)sulfonyl]oxy]-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

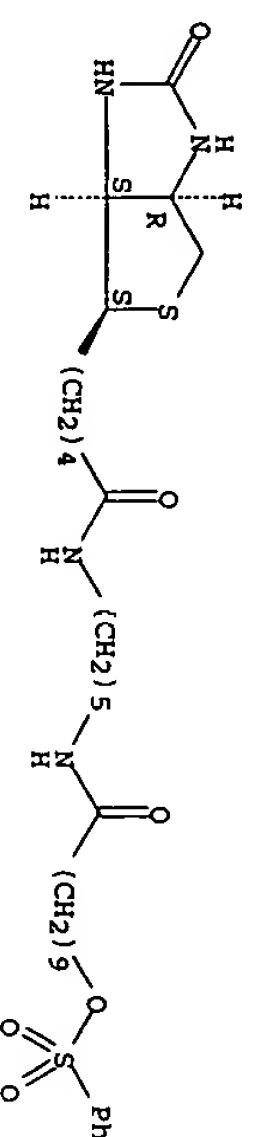


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 38 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-18-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-2-oxo-N-[5-[[1-oxo-10-[[phenylsulfonyl]oxy]decyl]amino]pentyl]-, (3aS,4S,6aR)-(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H50 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



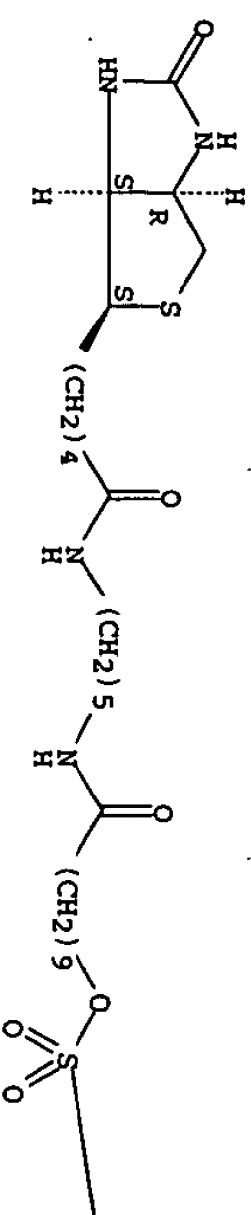
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

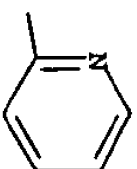
L2 ANSWER 39 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-17-0 REGISTRY
CN 2-Pyridinesulfonic acid, 10-[[5-[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C30 H49 N5 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

PAGE 1-A



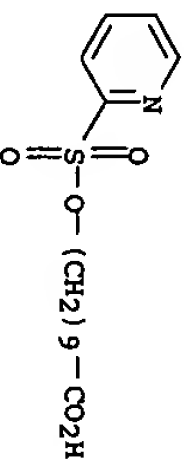
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 40 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-16-9 REGISTRY
CN Decanoic acid, 10-[(2-pyridinylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H23 N O5 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

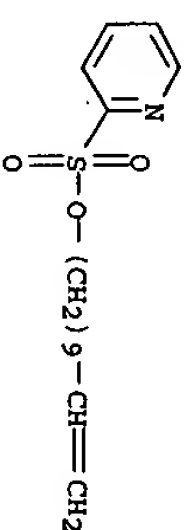


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 41 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 342792-15-8 REGISTRY
CN 2-Pyridinesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H25 N O3 S
SR CA

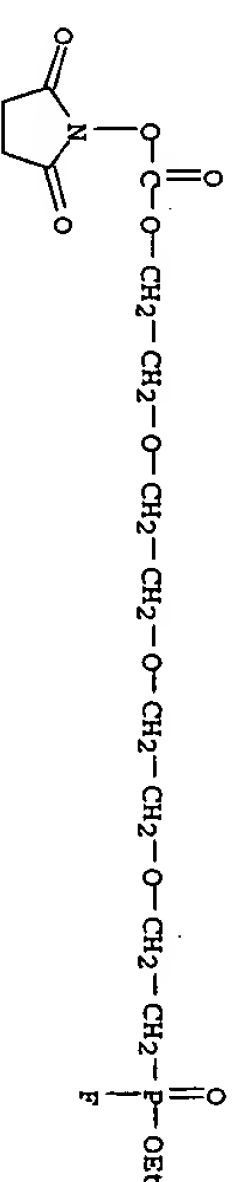
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

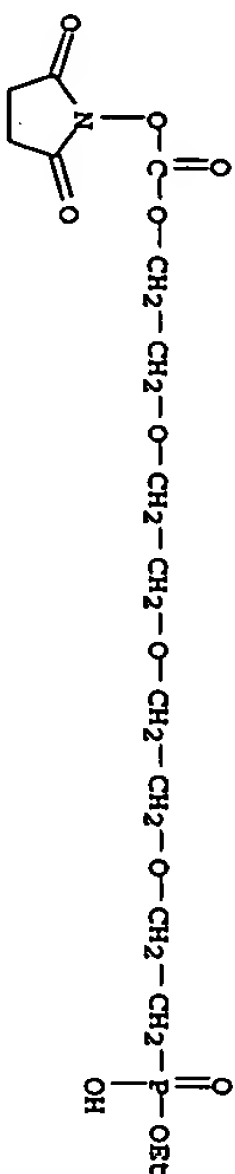
L2 ANSWER 42 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-06-0 REGISTRY
CN Phosphonofluoridic acid, [13-[(2,5-dioxo-1-pyrrolidinyl)oxy]-13-oxo-3,6,9,12-tetraoxatridec-1-yl]-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H25 F N O10 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

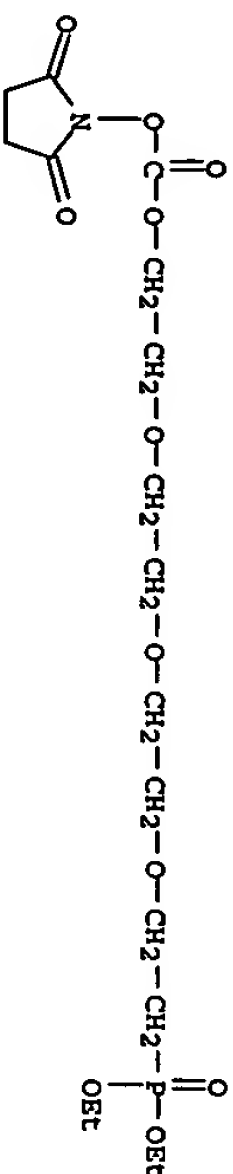
L2 ANSWER 43 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-05-9 REGISTRY
CN Phosphonic acid, [13-[(2,5-dioxo-1-pyrrolidinyl)oxy]-13-oxo-3,6,9,12-tetraoxatridec-1-yl]-, monoethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H26 N O11 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

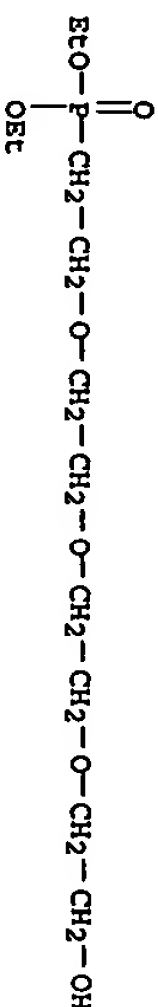
L2 ANSWER 44 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-04-8 REGISTRY
CN Phosphonic acid, [13-(2,5-dioxo-1-pyrroliidinyl)oxy]-13-oxo-3,6,9,12-tetraoxadec-1-yl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H30 N O11 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

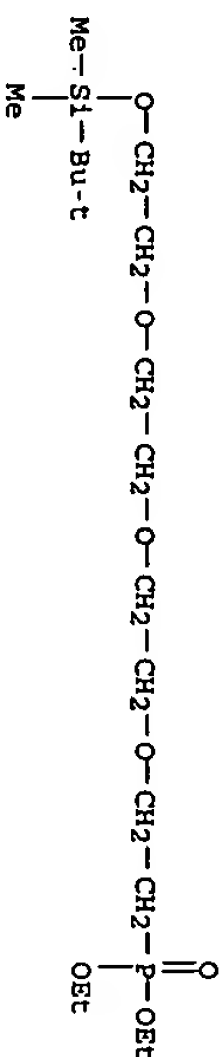
L2 ANSWER 45 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-03-7 REGISTRY
CN Phosphonic acid, [2-[2-[2-(2-hydroxyethoxy)ethoxy]ethoxy]ethyl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H27 O7 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

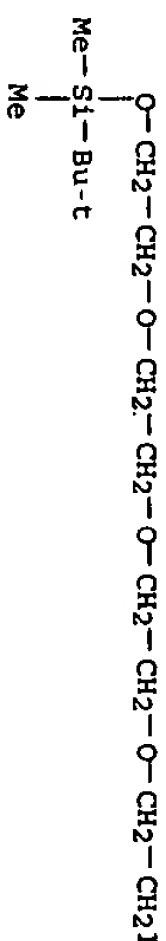
L2 ANSWER 46 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-02-6 REGISTRY
CN Phosphonic acid, [13,13,14,14-tetramethyl-3,6,9,12-tetraoxa-13-silapentadec-1-yl]-, diethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H41 O7 P Si
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 47 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 338964-01-5 REGISTRY
CN 4,7,10,13-Tetraoxa-3-silapentadecane, 15-iodo-2,2,3,3-tetramethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H31 I O4 Si
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



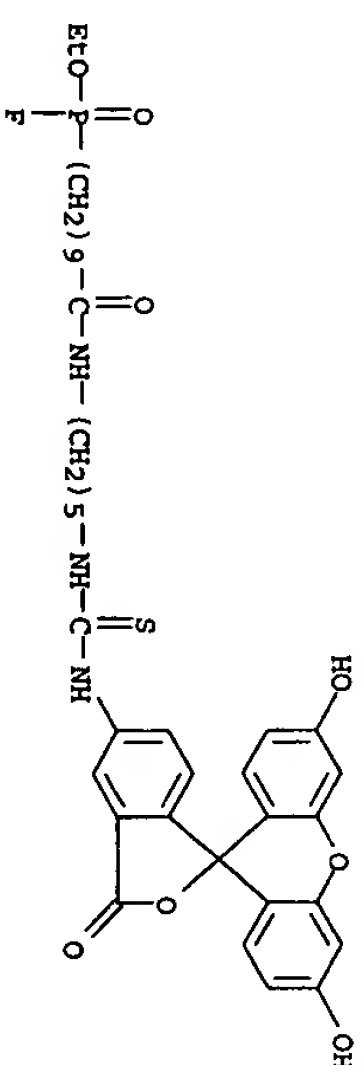
****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 48 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-29-6 REGISTRY

Print selected from 09-738,954.trn05/23/2003

CN Phosphonofluoridic acid, [10-[[[5-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9']-[9H]xanthene)-5-yl]amino]thioxomethyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF C38 H47 F N3 O8 P S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

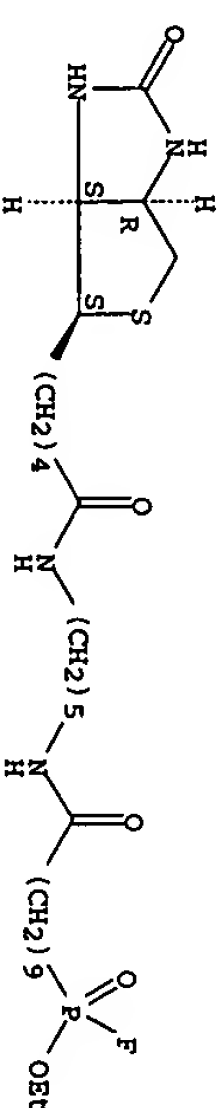


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 49 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-28-5 REGISTRY
CN Phosphonofluoridic acid, [10-[[[5-[[[3aS,4S,6aR]-hexahydro-2-oxo-1H-chieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H50 F N4 O5 P S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



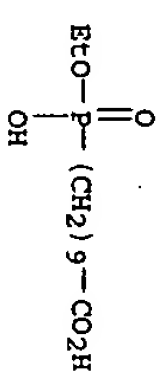
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 50 OF 94 REGISTRY COPYRIGHT 2003 ACS

Print selected from 09-738,954.trn05/23/2003

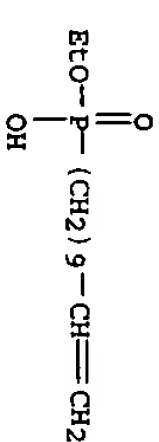
RN 259270-27-4 REGISTRY
CN Decanoic acid, 10-(ethoxyhydroxyphosphiny])- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H25 O5 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

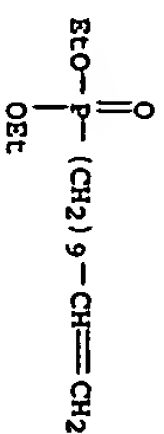
L2 ANSWER 51 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 259270-26-3 REGISTRY
CN Phosphonic acid, 10-undecenyl]-, monoethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H27 O3 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

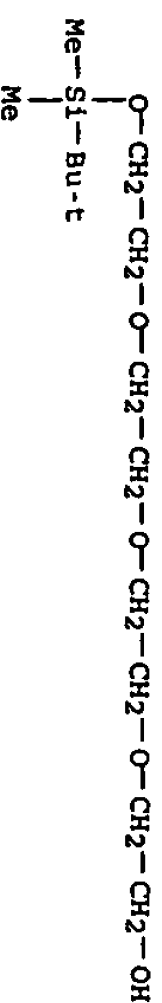
L2 ANSWER 52 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 156125-40-5 REGISTRY
CN Phosphonic acid, 10-undecenyl]-, diethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Diethyl 10-undecenylphosphonate
FS 3D CONCORD
MF C15 H31 O3 P
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

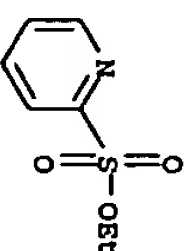
L2 ANSWER 53 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 134179-40-1 REGISTRY
CN 4,7,10,13-Tetraoxa-3-silapentadecan-15-ol, 2,2,3,3-tetramethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H32 O5 S1
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 REFERENCES IN FILE CA (1957 TO DATE)
15 REFERENCES IN FILE CAPLUS (1957 TO DATE)

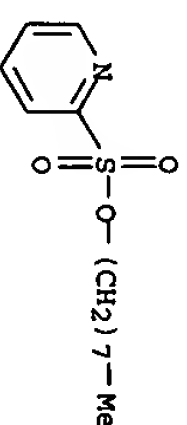
L2 ANSWER 54 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 126092-21-5 REGISTRY
CN 2-Pyridinesulfonic acid, ethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ethyl pyridine-2-sulfonate
FS 3D CONCORD
MF C7 H9 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 55 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 117800-97-2 REGISTRY
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Octyl 2-pyridinesulfonate
FS 3D CONCORD
MF C13 H21 N O3 S
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)

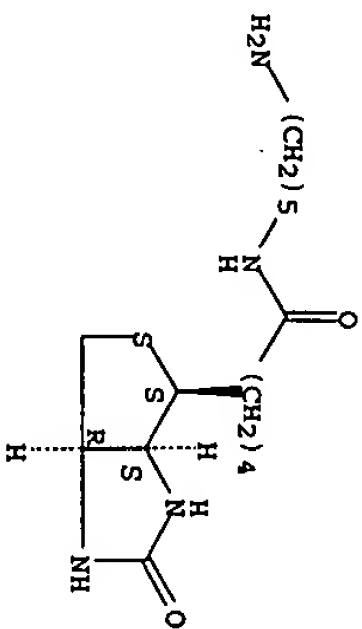


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 56 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 115416-38-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo- (3aS,4S,6aR) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo- [3aS-(3a.alpha.,4.beta.,6a.alpha.)] -
OTHER NAMES:
CN 5-(Biotinamido)pentylamine
CN Biotinyl cadaverine
CN N-(5-Aminopentyl)biotinamide
FS STEREOSEARCH
MF C15 H28 N4 O2 S
CI COM
SR CA
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

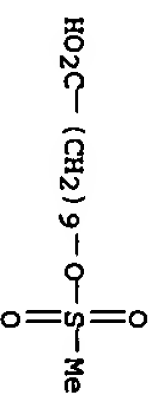
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

60 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
61 REFERENCES IN FILE CAPLUS (1957 TO DATE)

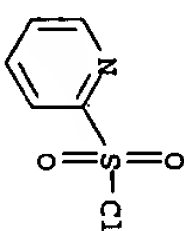
L2 ANSWER 57 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 83637-49-4 REGISTRY
CN Decanoic acid, 10-[(methylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H22 O5 S
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

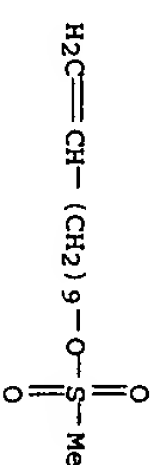
L2 ANSWER 58 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 66715-65-9 REGISTRY
CN 2-Pyridinesulfonyl chloride (6CI, 7CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Pyridinylsulfonyl chloride
CN 2-Pyridylsulfonyl chloride
CN Pyridin-2-sulfonyl chloride
FS 3D CONCORD
MF C5 H4 Cl N O2 S
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

72 REFERENCES IN FILE CA (1957 TO DATE)
72 REFERENCES IN FILE CAPLUS (1957 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

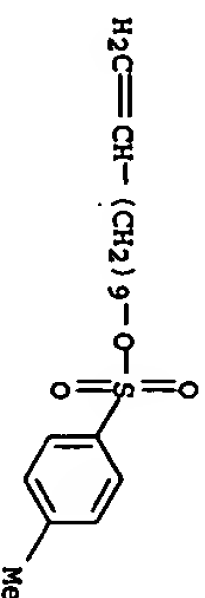
L2 ANSWER 59 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 52355-50-7 REGISTRY
CN 10-Undecen-1-ol, methanesulfonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10-Undecenyl methanesulfonate
FS 3D CONCORD
MF C12 H24 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

22 REFERENCES IN FILE CA (1957 TO DATE)
22 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 60 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 51148-67-5 REGISTRY
CN 10-Undecen-1-ol, 4-methylbenzenesulfonate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 10-Undecen-1-yl p-toluenesulfonate
CN 10-Undecen-1-yl tosylate
CN 10-Undecenyl p-toluenesulfonate
CN 10-Undecenyl tosylate
FS 3D CONCORD
MF C18 H28 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMEX, IFICDB, IFIPAT, IFIUD, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

56 REFERENCES IN FILE CA (1957 TO DATE)
56 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 61 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 38078-09-0 REGISTRY

CN Sulfur, (N-ethylethanaminato)trifluoro-, (T-4) - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethanamine, N-ethyl-, sulfur complex

OTHER NAMES:

CN (Diethylamino)sulfur trifluoride

CN (Diethylamino)sulphur trifluoride

CN (Diethylamino)trifluorosulfur

CN (N,N-Diethylamino)sulfur trifluoride

CN DAST

CN DAST (fluorinating agent)

CN Diethylaminosulfate trifluoride

CN Trifluoro(dieethylamino)sulfur

MF C4 H10 F3 N S

LC STN Files: BEILSTEIN*, BIOSIS, CA, CANCERLIT, CAPLUS,

CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCEM, CSNB, DETHERM*,

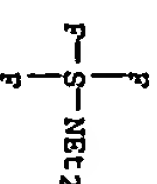
IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, TOXCENTER, USPAT2,

USPATFUL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**

(*Enter CHEMLIST file for up-to-date regulatory information)



444 REFERENCES IN FILE CA (1957 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

444 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 62 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 18704-37-5 REGISTRY

CN 8-Quinolinesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 8-Chinolinsulfonyl chloride

CN 8-Chlorosulfonyl-1-benzazaine

CN 8-Quinolinsulfonyl chloride

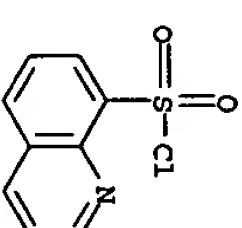
CN 8-Quinolinsulfonyl chloride
CN Quinolins-8-sulfonic acid chloride
FS 3D CONCORD
MF C9 H6 Cl N O2 S
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,

CHEMINFORMRX, CHEMLIST, CSCEM, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFUL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

240 REFERENCES IN FILE CA (1957 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

241 REFERENCES IN FILE CAPLUS (1957 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 63 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 16629-19-9 REGISTRY

CN 2-Thiophenesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2-(Chlorosulfonyl)thiophene

CN 2-Thienylsulfonyl chloride

FS 3D CONCORD

MF C4 H3 Cl O2 S2

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,

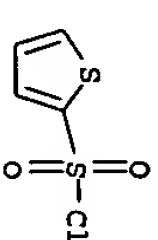
CSCEM, HODOC*, IFICDB, IFIPAT, IFIUDB, SPECINFO, SYNTHLINE, TOXCENTER,

USPAT2, USPATFUL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(*Enter CHEMLIST file for up-to-date regulatory information)



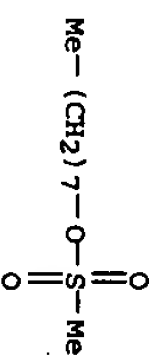
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

337 REFERENCES IN FILE CA (1957 TO DATE)

Print selected from 09-738,954.tn05/23/2003

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
337 REFERENCES IN FILE CAPLUS (1957 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

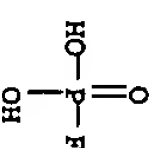
L2 ANSWER 64 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 16156-52-8 REGISTRY
CN Methanesulfonic acid, octyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Octyl mesylate
CN n-Octyl methanesulfonate
CN Octyl mesylate
CN Octyl methanesulfonate
FS 3D CONCORD
MF C9 H20 O3 S
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX,
TOXCENTER, USPATFUL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

88 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
88 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 65 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 13537-32-1 REGISTRY
CN Phosphorofluoridic acid (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Fluorophosphonic acid (F(HO)2PO)
CN Fluorophosphoric acid
CN Fluorophosphoric acid (H2PO3F)
CN Monofluorophosphoric acid
FS 3D CONCORD
MF F H2 O3 P
CI COM
LC STN Files: BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
CSCHEM, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PDLCOM*,
RTECS*, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)

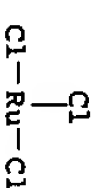


Print selected from 09-738,954.tn05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

307 REFERENCES IN FILE CA (1957 TO DATE)
40 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
307 REFERENCES IN FILE CAPLUS (1957 TO DATE)
21 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 66 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 10049-08-8 REGISTRY
CN Ruthenium chloride (RuCl3) (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Dichlororuthenium chloride ((RuCl2)Cl) (7CI)
OTHER NAMES:
CN Ruthenium chloride
CN Ruthenium trichloride
CN Ruthenium(III) chloride
MF Cl3 Ru
CI COM
LC STN Files: AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD,
CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT,
RTECS*, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL*, EINECS*, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



2337 REFERENCES IN FILE CA (1957 TO DATE)
59 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2345 REFERENCES IN FILE CAPLUS (1957 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 67 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 9028-86-8 REGISTRY
CN Dehydrogenase, aldehyde (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-Methyl-2-buten-1-al dehydrogenase
CN Aldehyde dehydrogenase
CN Aldehyde dehydrogenase (NAD)
CN Alkanal dehydrogenase
CN CoA-independent aldehyde dehydrogenase
CN E.C. 1.2.1.3
CN Levulinic aldehyde dehydrogenase
CN m-Methylbenzaldehyde dehydrogenase
CN NAD-aldehyde dehydrogenase
CN NAD-dependent 4-hydroxynonenal dehydrogenase
CN NAD-dependent aldehyde dehydrogenase
CN NAD-linked aldehyde dehydrogenase
CN Propionaldehyde dehydrogenase
MF Unspecified
CI MAN

Print selected from 09-738,954.ctn05/23/2003

LC STN Files: ADISNEMS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM, EMBASE, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL, USPATFUL.
Other Sources: EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
3262 REFERENCES IN FILE CA (1957 TO DATE)
23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3271 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 68 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 9027-41-2 REGISTRY
CN Hydrolyase (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adrelase
CN Hydrolytic enzymes
MF Unspecified

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2, USPATFUL.

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
2641 REFERENCES IN FILE CA (1957 TO DATE)
42 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2649 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 69 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7795-95-1 REGISTRY

CN 1-octanesulfonyl chloride (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Octanesulfonyl chloride (6CI)

OTHER NAMES:

CN n-Octanesulfonyl chloride
CN Octylsulfonyl chloride

FS 3D CONCORD

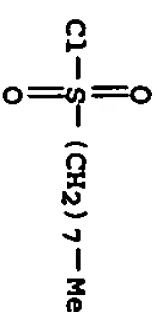
MF C8 H17 Cl O2 S

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFUL.

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

127 REFERENCES IN FILE CA (1957 TO DATE)

4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

Print selected from 09-738,954.ctn05/23/2003

127 REFERENCES IN FILE CAPLUS (1957 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 70 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 7782-41-4 REGISTRY
CN Fluorine (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Diatomic fluorine

CN Difluorine

CN Fluorine-19

CN Molecular fluorine

FS 3D CONCORD

DR 28077-97-6

MF F2

CI COM

LC STN Files:

ADISNEMS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*, DRUG, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMLIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFUL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)

F-F

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

37841 REFERENCES IN FILE CA (1957 TO DATE)
2167 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
37865 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 71 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7766-49-6 REGISTRY

CN 1-Iodo-11-iodo- (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 11-Iodo-1-undecene

CN Undec-10-enyl iodide

FS 3D CONCORD

DR 146846-82-4

MF C11 H21 I

CI COM

LC STN Files:

BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER, USPATFUL.
(*File contains numerically searchable property data)



Print selected from 09-738,954.tln05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

34 REFERENCES IN FILE CA (1957 TO DATE)
34 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 72 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7723-14-0 REGISTRY
CN Phosphorus (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Amgard CPC
CN Amgard CPC 405
CN Black phosphorus
CN Exolit 385
CN Exolit 405
CN Exolit LPKN 275
CN Exolit PR 602
CN Exolit RP 605
CN Exolit RP 650
CN Exolit RP 652
CN Exolit RP 654
CN Exolit VPK-n 361
CN FR-T 2
CN FR-T 2 (element)
CN Hishigado
CN Hishigado AP
CN Hishigado CP
CN Hishigado NP 10
CN Hishigado PL
CN Hostafiam RP 602
CN Hostafiam RP 614
CN Hostafiam RP 622
CN Hostafiam RP 654
CN Masteret 70450
CN Nova Sol R 20
CN Novaexcel 140
CN Novaexcel 150
CN Novaexcel F 5
CN Novaexcel ST 100
CN Novaexcel ST 140
CN Novaexcel ST 300
CN Novared 120UF
CN Novared 120UFA
CN Novared 120VFA
CN Novared 140
CN Novared 280
CN Novared C 120
CN Novared F 5
CN NVE 140
CN Phosphorus-31
CN Red phosphorus
CN RP 654
DR 29879-37-6
MF P
CI COM

STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*,
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, HSDB*,

Print selected from 09-738,954.tln05/23/2003

IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA,
PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

P

138108 REFERENCES IN FILE CA (1957 TO DATE)
5215 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
138260 REFERENCES IN FILE CAPLUS (1957 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 73 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 7681-82-5 REGISTRY
CN Sodium iodide (NaI) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Sodium iodide (8CI)

OTHER NAMES:

CN Anayodin
CN Ioduril
CN Sodium moniodide
CN Solodin
DR 59216-98-7, 61456-04-0
MF I Na
CI COM

LC

STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIOGENES,
DIPPR*, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA,
MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*,
TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

I-Na

11322 REFERENCES IN FILE CA (1957 TO DATE)
114 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11329 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 74 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 6066-82-6 REGISTRY
CN 2,5-Pyrrolidinedione, 1-hydroxy- (9CI) (CA INDEX NAME)

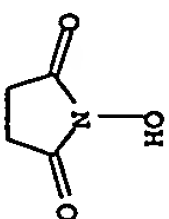
OTHER CA INDEX NAMES:

CN Succinimide, N-hydroxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1-Hydroxy-2,5-pyrrolidinedione
CN 1-Hydroxysuccinimide
CN Hydroxysuccinimide
CN N-Hydroxy-2,5-dioxypyrrolidine
CN N-Hydroxysuccinimide

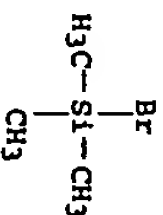
FS 3D CONCORD
 MF C4 H5 N O3
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATEFUL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3299 REFERENCES IN FILE CA (1957 TO DATE)
 206 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3308 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 75 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 2857-97-8 REGISTRY
 CN Silane, bromotrimethyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Bromotrimethylsilane
 CN Trimethylbromosilane
 CN Trimethylsilyl bromide
 FS 3D CONCORD
 MF C3 H9 Br Si
 CI COM
 LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, DETHERM*, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, SPECINFO, TOXCENTER, USPAT2, USPATEFUL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST file for up-to-date regulatory information)



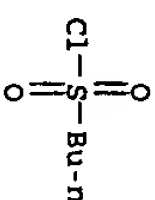
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

774 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 775 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 78 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 76 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 2386-60-9 REGISTRY
 CN 1-Butanesulfonyl chloride (7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Butanesulfonyl chloride (6CI)
 OTHER NAMES:

CN 1-Butylsulfonyl chloride
 CN Butylsulfonyl chloride
 CN n-Butanesulfonyl chloride
 CN n-Butylsulfonyl chloride
 FS 3D CONCORD
 MF C4 H9 Cl O2 S
 CI COM

STN Files: AQUIRE, BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, HODOC*, IFICDB, IFIPAT, IFIUDB, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATEFUL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST file for up-to-date regulatory information)



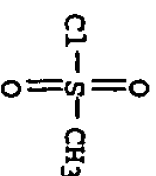
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

426 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 426 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 77 OF 94 REGISTRY COPYRIGHT 2003 ACS
 RN 124-63-0 REGISTRY
 CN Methanesulfonyl chloride (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Chloro methyl sulfone
 CN Methyl chloride
 CN Methanesulphonic acid chloride
 CN Methanesulphonyl chloride
 CN Methyl sulfochloride
 CN Methylsulfonyl chloride
 FS 3D CONCORD
 MF C H3 Cl O2 S
 CI COM
 LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*,

Print selected from 09-738,954.trn05/23/2003

IFICDB, IFIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4138 REFERENCES IN FILE CA (1957 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4144 REFERENCES IN FILE CAPLUS (1957 TO DATE)
39 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 78 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 122-52-1 REGISTRY

CN Phosphorous acid, triethyl ester (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Triethoxyphosphine

CN Triethyl phosphite

CN Tris(ethoxy)phosphine

FS 3D CONCORD

MF C6 H15 O3 P

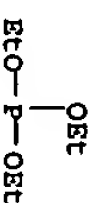
CI COM

LC

STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MSDS-OHS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4332 REFERENCES IN FILE CA (1957 TO DATE)
86 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4338 REFERENCES IN FILE CAPLUS (1957 TO DATE)
74 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 79 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 121-44-8 REGISTRY

Print selected from 09-738,954.trn05/23/2003

CN Ethanamine, N,N-diethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Triethylamine (7CI, 8CI)

OTHER NAMES:

CN (Diethylamino)ethane

CN N,N-Diethylethanamine

TEA

FS 3D CONCORD

DR 449752-61-8, 168277-99-4, 172227-74-6, 144514-14-7

MF C6 H15 N

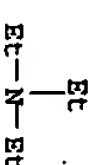
CI COM

LC

STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CENB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*, MSDS-OHS, NABRALERT, NIOSHTIC, PDLGOW*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

18780 REFERENCES IN FILE CA (1957 TO DATE)
727 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
18814 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 80 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 112-60-7 REGISTRY

CN Ethanol, 2,2'-(oxybis(2,1-ethanedioxy))bis- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Tetraethylene glycol (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2,2'-(oxybis(2,1-ethanedioxy))bisethanol

CN 3,6,9-Trioxadecane-1,11-diol

CN Bis[2-(2-hydroxyethoxy)ethyl] ether

H1-Dry

CN TEG

FS 3D CONCORD

DR 79688-08-7

MF C8 H18 O5

CI COM

LC

STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CAOLD, CAPLUS, CASREACT, CENB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL

Print selected from 09-738,954.tn05/23/2003

(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

HO-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-O-CH₂-CH₂-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2175 REFERENCES IN FILE CA (1957 TO DATE)
162 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2183 REFERENCES IN FILE CAPLUS (1957 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 81 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 112-43-6 REGISTRY
CN 10-Undecen-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN .omega.-Undecenol
CN .omega.-Undecenyl alcohol
CN .omega.-Undecylenyl alcohol
CN 1-Undecen-11-ol

CN 10-Undecenol

CN 10-Undecenyl alcohol

CN 10-Undecylen-1-ol

CN 11-Hydroxy-1-undecene

CN Undecylenic alcohol

FS 3D CONCORD

DR 118020-80-7

MF C11 H22 O

CI

LC

STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(*Enter CHEMLIST file for up-to-date regulatory information)

H₂C=CH-(CH₂)₉-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

518 REFERENCES IN FILE CA (1957 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
519 REFERENCES IN FILE CAPLUS (1957 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 82 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 111-87-5 REGISTRY

CN 1-Octanol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

Print selected from 09-738,954.tn05/23/2003

CN Octyl alcohol (8CI)

OTHER NAMES:

CN 1-Hydroxyoctane

CN Alfol 8

CN Caprylic alcohol

CN CO 898

CN CO 898 (solvent)

CN Heptyl carbinol

CN n-Octan-1-ol

CN n-Octanol

CN n-Octyl alcohol

CN Octanol

CN Octiln

CN Sipol 18

FS 3D CONCORD

DR 220713-26-8

MF C8 H18 O

CI

LC

STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTCHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(*Enter CHEMLIST file for up-to-date regulatory information)

HO-(CH₂)₇-Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13849 REFERENCES IN FILE CA (1957 TO DATE)
351 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13876 REFERENCES IN FILE CAPLUS (1957 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 83 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 107-29-9 REGISTRY

CN Acetaldehyde, oxime (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Acetaldoxime

CN Acetoaldoxime

CN Aldoxime

CN Ethanal oxime

CN Ethylidenehydroxylamine

FS 3D CONCORD

MF C2 H5 N O

CI

LC

STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTCHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DETHERM*, DIPPR*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

Print selected from 09-738,954.tn05/23/2003

(*File contains numerically searchable property data)
Other Sources: EINECS**, DSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

391 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
391 REFERENCES IN FILE CAPLUS (1957 TO DATE)
24 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 84 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 98-74-8 REGISTRY

CN Benzenesulfonyl chloride, 4-nitro- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenesulfonyl chloride, p-nitro- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 4-Nitrobenzenesulfonic acid chloride

CN 4-Nitrobenzenesulfonyl chloride

CN 4-Nitrophenylsulfonyl chloride

CN Nosyl chloride

CN p-Nitrobenzenesulfonyl chloride

CN p-Nitrophenylsulfonyl chloride

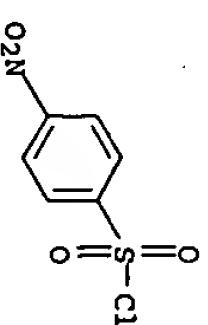
FS 3D CONCORD

MF C6 H4 Cl N O4 S

CI

LC

STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHM, HODOC*, IFICDB, IFIPAT, IFIUD, MSDS-OHS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1008 REFERENCES IN FILE CA (1957 TO DATE)

5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1011 REFERENCES IN FILE CAPLUS (1957 TO DATE)

27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 85 OF 94 REGISTRY COPYRIGHT 2003 ACS

Print selected from 09-738,954.tn05/23/2003

RN 98-68-0 REGISTRY
CN Benzenesulfonyl chloride, 4-methoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenesulfonyl chloride, p-methoxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 4-Methoxybenzenesulfonic acid chloride

CN 4-Methoxybenzenesulfonyl chloride

CN 4-Methoxyphenylsulfonyl chloride

CN p-Anisylsulfonyl chloride

CN p-Methoxybenzenesulfonyl chloride

CN p-Methoxyphenylsulfonyl chloride

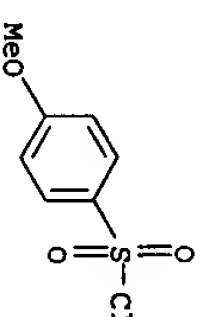
FS 3D CONCORD

MF C7 H7 Cl O3 S

CI

LC

STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHM, HODOC*, IFICDB, IFIPAT, IFIUD, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

849 REFERENCES IN FILE CA (1957 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

852 REFERENCES IN FILE CAPLUS (1957 TO DATE)

18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 86 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 98-59-9 REGISTRY

CN Benzenesulfonyl chloride, 4-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN p-Toluenesulfonyl chloride (8CI)

OTHER NAMES:

CN 4-Methylbenzenesulfonyl chloride

CN 4-Methylphenylsulfonyl chloride

CN 4-Toluenesulfonyl chloride

CN 4-Tosyl chloride

CN p-Methylbenzenesulfonyl chloride

CN p-Methylphenylsulfonyl chloride

CN p-Toluenesulfochloride

CN p-Toluenesulfonic acid chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulphonyl chloride

CN p-Tolylsulfonyl chloride

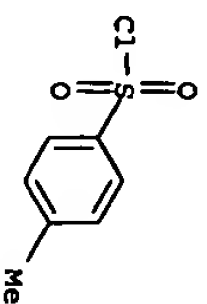
CN p-Tosyl chloride

CN Toluenesulfonyl chloride

CN Tosyl chloride

Print selected from 09-738,954.tn05/23/2003

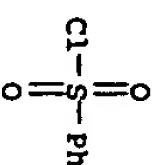
FS 3D CONCORD
MF C7 H7 Cl O2 S
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBIB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5891 REFERENCES IN FILE CA (1957 TO DATE)
81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5901 REFERENCES IN FILE CAPLUS (1957 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 87 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 98-09-9 REGISTRY
CN Benzenesulfonyl chloride (6CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Benzene sulfochloride
CN Benzenesulfonic chloride
CN Phenylsulfonyl chloride
FS 3D CONCORD
DR 114415-79-1
MF C6 H5 Cl O2 S
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBIB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIPAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)

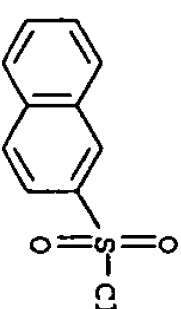


Print selected from 09-738,954.tn05/23/2003

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3204 REFERENCES IN FILE CA (1957 TO DATE)
79 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3213 REFERENCES IN FILE CAPLUS (1957 TO DATE)
26 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 88 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 93-11-8 REGISTRY
CN 2-Naphthalenesulfonyl chloride (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .beta.-Naphthalenesulfochloride
CN .beta.-Naphthalenesulfonyl chloride
CN .beta.-Naphthylsulfonyl chloride
CN 2-Naphthalenylsulfonyl chloride
CN 2-Naphthylsulfonyl chloride
CN Naphthalene-2-sulfonic acid chloride
FS 3D CONCORD
MF C10 H7 Cl O2 S
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUD, MEDLINE, MSDS-OHS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, DSL**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

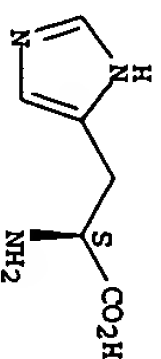
675 REFERENCES IN FILE CA (1957 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
678 REFERENCES IN FILE CAPLUS (1957 TO DATE)
22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 89 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 71-00-1 REGISTRY
CN L-Histidine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Histidine, L- (8CI)
OTHER NAMES:
CN (S)-.alpha.-Amino-1H-imidazole-4-propanoic acid
CN (S)-4-(2-Amino-2-carboxyethyl)imidazole
CN (S)-Histidine
CN 1H-Imidazole-4-alanine, (S)-
CN 1H-Imidazole-4-propanoic acid, .alpha.-amino-, (S)-

Print selected from 09-738,954.trn05/23/2003

CN Glyoxaline-5-alanine
CN Histidine
CN L-(-)-Histidine
CN L-Alanine, 3-(1H-imidazol-4-yl)-
CN L-histidine
FS STEREOSEARCH
DR 7006-35-1, 150-35-6, 54166-13-1, 155304-24-8, 35479-49-3, 35558-59-9,
45955-20-2
MF C6 H9 N3 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
DRUGU, EMBASE, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA,
MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*,
SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFUL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

28866 REFERENCES IN FILE CA (1957 TO DATE)
1288 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
28918 REFERENCES IN FILE CAPLUS (1957 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 90 OF 94. REGISTRY COPYRIGHT 2003 ACS

RN 58-85-5 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3aS,4S,6aR)-(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, hexahydro-2-oxo-,
(3aS-(3a.alpha.,4.beta.,6a.alpha.))]-

CN Biotin (8CI)

OTHER NAMES:

CN (+)-Biotin

CN (+)-cis-Hexahydro-2-oxo-1H-thieno[3,4]imidazole-4-valeric acid

CN Biodermatin

CN Bioepiderm

CN Bios II

CN cis-(+)-Tetrahydro-2-oxothieno[3,4]imidazoline-4-valeric acid

CN Coenzyme R

CN D(+)-Biotin

CN d-Biotin

CN D-Biotin

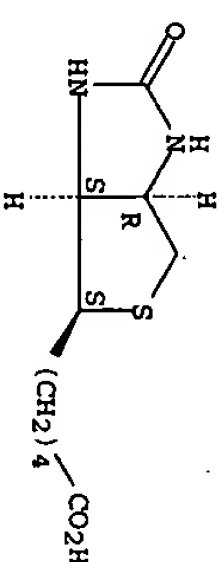
CN Factor S

CN Factor S (vitamin)

Print selected from 09-738,954.trn05/23/2003

CN Lutavit H2
CN Meribin
CN Rovimix H 2
CN Vitamin B7
CN Vitamin H
FS STEREOSEARCH
DR 58073-87-3, 15720-24-8, 22879-79-4, 3672-05-7
MF C10 H16 N2 O3 S
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU,
EMBASE, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PHAR, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER,
USAN, USPAT2, USPATFUL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10971 REFERENCES IN FILE CA (1957 TO DATE)
2210 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
11008 REFERENCES IN FILE CAPLUS (1957 TO DATE)
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 91 OF 94. REGISTRY COPYRIGHT 2003 ACS

RN 56-86-0 REGISTRY

CN L-Glutamic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glutamic acid, L- (7CI, 8CI)

OTHER NAMES:

CN (2S)-2-Aminopentanedioic acid

CN (S)-(+)-Glutamic acid

CN (S)-2-Aminopentanedioic acid

CN (S)-Glutamic acid

CN .alpha.-Aminoglutaric acid

CN .alpha.-Glutamic acid

CN 1-Aminopropane-1,3-dicarboxylic acid

CN 2-Aminoglutaric acid

CN 2-Aminopentanedioic acid

CN Aciglut

CN E 620

CN Glusate

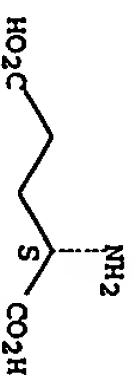
CN Glutacid

CN Glutamic acid

Print selected from 09-738,954.tin05/23/2003

CN Glutamicol
CN Glutamidex
CN Glutaminic acid
CN Glutaminol
CN Glutaton
CN L-(+)-Glucamic acid
CN L-alpha.-Aminoglutaric acid
CN L-Glutaminic acid
CN L-Glutaminic acid
CN Pentanedioic acid, 2-amino-, (S)-
FS STEREOSEARCH
DR 6899-05-4, 10549-13-0, 138-16-9
MF C5 H9 N O4
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPEAT, ENCOMPEAT2, GEMLIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFUL, VERTU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

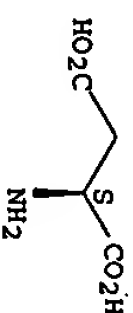
51311 REFERENCES IN FILE CA (1957 TO DATE)
1692 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
51397 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L2 ANSWER 92 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 56-84-8 REGISTRY
CN L-Aspartic acid (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Aspartic acid, L- (8CI)
OTHER NAMES:
CN (+)-Aspartic acid
CN (S)-Aminobutanedioic acid
CN (S)-Aspartic acid
CN Asparagic acid
CN Asparaginic acid
CN Aspartic acid
CN Butanedioic acid, amino-, (S)-
CN H-Asp-OH
CN L-(+)-Aspartic acid
CN L-Aminobutanedic acid
CN L-Asparagic acid

Print selected from 09-738,954.tin05/23/2003

CN L-Asparaginic acid
FS STEREOSEARCH
DR 6899-03-2, 18119-33-5
MF C4 H7 N O4
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES, DRUGU, EMBASE, GEMLIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFUL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(*Enter CHEMLIST file for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



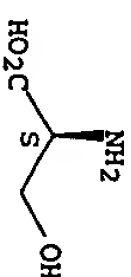
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

32364 REFERENCES IN FILE CA (1957 TO DATE)
1041 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
32414 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 93 OF 94 REGISTRY COPYRIGHT 2003 ACS
RN 56-45-1 REGISTRY
CN L-Serine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Serine, L- (8CI)
OTHER NAMES:
CN (-)-Serine
CN (S)-alpha.-Amino.-beta.-hydroxypropionic acid
CN (S)-2-Amino-3-hydroxypropionic acid
CN (S)-Serine
CN .beta.-Hydroxy-L-alanine
CN L-(-)-Serine
CN L-3-Hydroxy-2-aminopropionic acid
CN L-Alanine, 3-hydroxy-
CN L-Ser
CN Propanoic acid, 2-amino-3-hydroxy-, (S)-
CN Serine
FS STEREOSEARCH
DR 6898-95-9
MF C3 H7 N O3
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GEMLIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*,

SPECINFO, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL,
 (**File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

27776 REFERENCES IN FILE CA (1957 TO DATE)
 721 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 27834 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 94 OF 94 REGISTRY COPYRIGHT 2003 ACS

RN 52-90-4 REGISTRY
 CN L-Cysteine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:
 CN Cysteine, L- (8CI)

OTHER NAMES:

CN (R)-2-Amino-3-mercaptopropionic acid

CN (R)-Cysteine

CN .beta.-Mercaptoalanine

CN 2-Amino-3-mercaptopropionic acid

CN Cystein

CN Cysteine

CN E 920

CN Half-cystine

CN L-(+)-Cysteine

CN L-Alanine, 3-mercaptopro-

CN L-Cys

CN NSC 8746

CN Propanoic acid, 2-amino-3-mercaptopro-, (R)-

CN Thioisoleucine

FS STEREOSEARCH

DR 4371-52-2

MF C3 H7 N O2 S

CI COM

LC

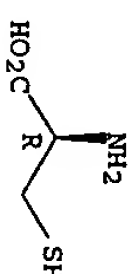
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 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU,
 DETHERM*, DIOGENES, DRUGU, EMBASE, GMEJIN*, HODOC*, HSDB*, IFICDB,
 IPIPAT, IPIUDR, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC,
 PIRA, PROMT, RTECS*, SPECINFO, SYNTLINE, TOXCENTER, ULIDAT, USAN,
 USPAT2, USPATFULL, VETU

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**, WHO

(*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

29520 REFERENCES IN FILE CA (1957 TO DATE)
 1346 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 29575 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> fil caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
 ENTRY 163.12
 SESSION 167.99

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FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21
 FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 117800-97-2/rn

5 117800-97-2

0 117800-97-2D

L3 5 117800-97-2/RN
 (117800-97-2 (NOTL) 117800-97-2D)

=> d ibib abs hitstr 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:763323 CAPLUS

DOCUMENT NUMBER: 135:315598

TITLE: Methods for proteomic analysis using activity based probes for target proteins

INVENTOR(S): Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory

Print selected from 09-738,954.tln05/23/2003

PATENT ASSIGNEE(S) : Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 119 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

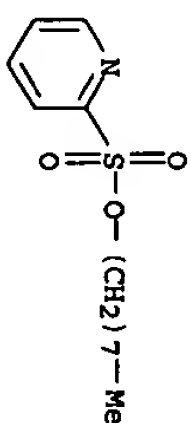
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WO 2001077684	A2	20011018	WO 2000-US34187	20001215
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US 2002045194	A2	20030115	EP 2000-990226	20001215
EP 1275006	A1	20030115		
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US 2002040275	A1	20020404	US 2001-836145	20010416
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US 2002182652	A1	20021205	US 2000-195954P	20000410
PRIORITY APPLN. INFO.:			US 2000-212891P	20000620
			US 2000-222532P	20000802
			US 2000-738271	20001215
			US 2000-738954	20001215
			WO 2000-US34187	20001215

OTHER SOURCE(S) : MARPAT 135:315598

AB The present invention provides methods for analyzing proteomes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to screen for one or more desired biol. activities or target proteins.

IT 117800-97-2P
RL: ARU (Analytical role, unclassified); SPN (Synthetic preparation); ANST (Analytical study); PRSP (Preparation)
CN 117800-97-2 CAPLUS
2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)

Print selected from 09-738,954.tln05/23/2003



L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:763309 CAPLUS
DOCUMENT NUMBER: 135:315597
TITLE: Methods for bioactivity screening of candidate compounds using activity based probes
INVENTOR(S) : Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PATENT ASSIGNEE(S) : Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 118 pp.
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077668	A2	20011018	WO 2000-US34167	20001215
WO 2001077668	A3	20020606		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NZ, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG	A1	20020418	US 2000-738954	20001215
US 2002045194	A1	20020418	US 2001-836148	20010416
US 2002040275	A1	20020404	US 2001-836145	20010416
US 2002064799	A1	20020530	US 2002-158498	20020529
US 2002182652	A1	20021205	US 2000-195954P	20000410
PRIORITY APPLN. INFO.:			US 2000-212891P	20000620
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			US 2000-738271	20001215
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OTHER SOURCE(S) : MARPAT 135:315597

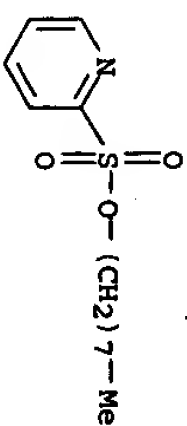
AB The present invention provides methods for analyzing proteomes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to

Print selected from 09-738,954.trn05/23/2003

IT 117800-97-2P
Screen for one or more desired biol. activities or target proteins.

RL: ARU (Analytical role, unclassified); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation)
(methods for bioactivity screening of candidate compds. using activity based probes)

RN 117800-97-2 CAPLUS
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:175793 CAPLUS
DOCUMENT NUMBER: 135:16295

TITLE: Profiling the specific reactivity of the proteome with non-directed activity-based probes
AUTHOR(S): Adam, Gregory C.; Cravatt, Benjamin F.; Sorensen, Erik J.

CORPORATE SOURCE:

THE SKAGGS INSTITUTE FOR CHEMICAL BIOLOGY AND
DEPARTMENT OF CHEMISTRY, THE SCRIPPS RESEARCH
INSTITUTE, LA JOLLA, CA, 92037, USA
CHEMISTRY & BIOLOGY (2001), 8(1), 81-95
CODEN: CBOLE2; ISSN: 1074-5521
Elsevier Science Ltd.

PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:

OTHER SOURCE(S): CASREACT 135:16295

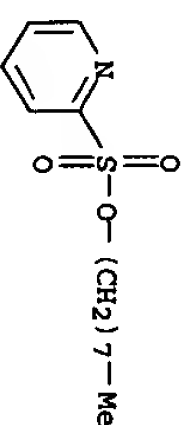
AB Background: The field of proteomics aims to characterize dynamics in protein function on a global level. However, several classes of proteins, in particular low abundance proteins, remain difficult to characterize using std. proteomics technologies. Recently, chem. strategies have emerged that profile classes of proteins based on activity rather than quantity, thereby greatly facilitating the anal. of low abundance constituents of the proteome. Results: In order to expand the classes of proteins susceptible to anal. by activity-based methods, we have synthesized a library of biotinylated sulfonate esters and applied its members to complex proteomes under conditions that distinguish patterns of specific protein reactivity. Individual sulfonates exhibited unique profiles of proteome reactivity that in extreme cases appeared nearly orthogonal to one another. A robustly labeled protein was identified as a class I aldehyde dehydrogenase and shown to be irreversibly inhibited by members of the sulfonate library. Conclusions: Through screening the proteome with a non-directed library of chem. probes, diverse patterns of protein reactivity were uncovered. These probes labeled protein targets based on properties other than abundance, circumventing one of the major challenges facing contemporary proteomics research. Considering further that the probes were found to inhibit a target enzyme's catalytic activity, the methods described herein should facilitate the identification of compds. possessing both selective proteome reactivities and novel bioactivities.

Print selected from 09-738,954.trn05/23/2003

IT 117800-97-2P

RL: ARG (Analytical reagent use); ARU (Analytical role, unclassified); BPR (Biological process); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(profiling specific reactivity of proteome with non-directed activity-based probes)

RN 117800-97-2 CAPLUS
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 44

THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1989:613944 CAPLUS
DOCUMENT NUMBER: 111:213944

TITLE:

Design and reactivity of organic functional groups - 2-pyridylsulfonates as nucleofugal esters: remarkably mild transformations into halides and olefins
Hanesian, Stephen; Kagotani, Masahito; Komaglou, Kossi

AUTHOR(S):

CORPORATE SOURCE:

Dep. Chem., Univ. Montreal, Montreal, QC, H3C 3J7, Can.
Heterocycles (1989), 28(2), 1115-20
CODEN: HTCYAM; ISSN: 0385-5414

DOCUMENT TYPE:
LANGUAGE:

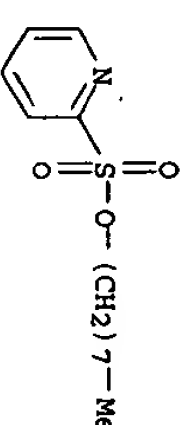
OTHER SOURCE(S): CASREACT 111:213944

AB Novel 2-pyridylsulfonate esters are excellent leaving groups for the prepn. of bromides and olefins under mild conditions. Displacements occur with inversion of configuration. Thus, a soln. of MgBr2 in ether was added to one of octyl 2-pyridylsulfonate in CH2Cl2 and the mixt. stirred for 5 min at 0.degree. to give 88% 1-bromooctane.

IT 117800-97-2P, Octyl 2-pyridinesulfonate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

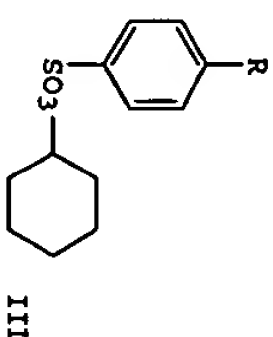
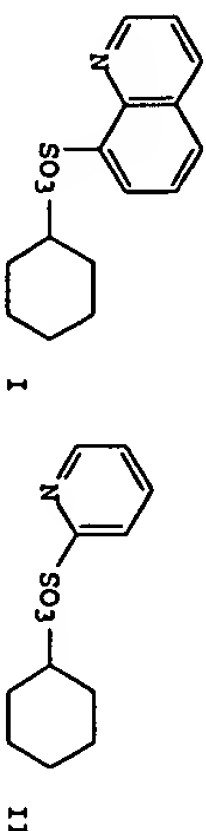
(prepn. and substitution reaction of, with magnesium bromide)
RN 117800-97-2 CAPLUS
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1989:57481 CAPLUS
 DOCUMENT NUMBER: 110:57481
 TITLE: Formation of olefins via pyrolysis of sulfonate esters
 AUTHOR(S): Corey, E. J.; Posner, Gary H.; Atkinson, Richard F.; Wingard, Astrid K.; Halloran, Daniel J.; Radzick, Donna M.; Nash, John J.

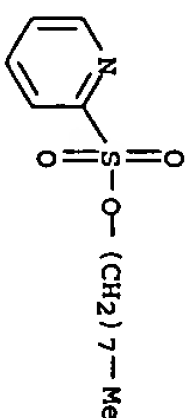
CORPORATE SOURCE: Dep. Chem., Harvard Univ., Cambridge, MA, 02138, USA
 SOURCE: Journal of Organic Chemistry (1989), 54(2), 389-93
 CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 110:57481
 GI



AB Esters, e.g., I and II, of 8-quinolinesulfonic acid and 2-pyridinesulfonic acid were synthesized from alcs. and the acid chlorides. The secondary esters decompd. cleanly at moderate temps. to give olefins in high yields. Thus, I was heated at 150.degree. to give 92% cyclohexene. Product studies were consistent with carbocation formation and abstraction by a ring nitrogen to give the olefin. The importance of a basic group was confirmed by pyrolysis of a series of para-substituted cyclohexyl benzenesulfonates III (R = NHAc, NHEt, NO2, Br, Me, MeO, Me2N). Thermolysis of III (R = NHEt, NHAc) cleanly gave cyclohexene in good yield; however, thermolysis of III (R = NO2, Br, Me Me) gave cyclohexene in low yield along with considerable amts. of tar.

IT 117800-97-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (Prepn. and thermolysis of, octenes from)
 RN 117800-97-2 CAPLUS
 CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)



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 For additional information see HELP RXS. <<<

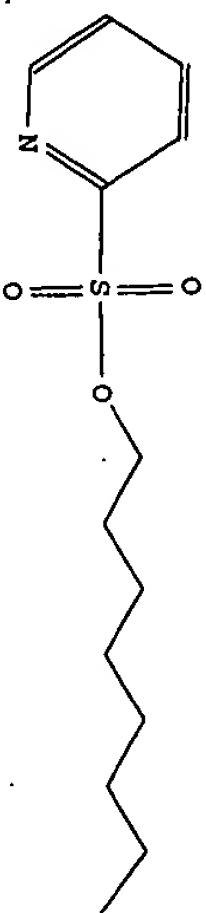
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 => s 117800-97-2/rn
 L4 1 117800-97-2/RN
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L4 ANSWER 1 OF 1 BEILSTEIN COPYRIGHT 2003 BEILSTEIN CDS MDL
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Belstein Pref. RN (BPR): 117800-97-2
 CAS Reg. No. (RN): 117800-97-2
 Chemical Name (CN): 1-octyl 2-pyridinesulfonate
 Autonom Name (AUN): pyridine-2-sulfonic acid octyl ester
 Molec. Formula (MF): C13 H21 N O3 S
 Molecular Weight (MW): 271.37
 Lawton Number (LN): 27266, 344
 Compound Type (CTYPE): heterocyclic
 Constitution ID (CONSID): 3992527
 Tautomer ID (TAUTID): 4237912
 Belstein Citation (BSO): 6-22
 Entry Date (DED): 1991/12/02
 Update Date (DUPD): 1992/04/28



Field Availability:

Code	Name	Occurrence
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RN	CAS Registry Number	1
CN	Chemical Name	1
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TAUTID	Tautomer ID	1
BSO	Belstein Citation	1
ED	Entry Date	1
UPD	Update Date	1
IR	Infrared Spectrum	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

Infrared Spectrum:
 Descript | Ref. | Note
 ion

(.KW) | |
 Bands | 1 | 1
 Reference(s):
 1. Corey, E. J.; Posner, Gary H.; Atkinson, Richard F.; Wingard, Astrid K.; Halloran, Daniel J.; et al., J.Org.Chem., CODEN: JOCEAH, 54(2), <1989>, 389-393; BABS-5570591

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	Product (.PRO):		
	No. of React. Details (.NVAR):		1

Reaction Details:

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	Solvent (.SOL):		benzene
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	Reference(s):		
	1. Corey, E. J.; Posner, Gary H.; Atkinson, Richard F.; Wingard, Astrid K.; Halloran, Daniel J.; et al., J.Org.Chem., CODEN: JOCEAH, 54(2), <1989>, 389-393; BABS-5570591		

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FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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E2 687 CHEMISTRY/JT
E3 0 --> CHEMISTRY A EUROPEAN JOURNAL/JT
E4 3471 CHEMISTRY AND APPLICATIONS OF GREEN TEA/JT
E5 13 CHEMISTRY AND APPLICATIONS OF LEUCO DYES/JT
E6 7 CHEMISTRY AND APPLICATIONS OF LEUCO DYES/JT
E7 25 CHEMISTRY AND BIOCHEMISTRY OF AMINO ACIDS PEPTIDES AND PROTE
INS/JT
E8 35 CHEMISTRY AND BIOCHEMISTRY OF B12/JT
E9 9 CHEMISTRY AND BIOCHEMISTRY ON THE LEADING EDGE/JT
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E2 3471 CHEMISTRY A EUROPEAN JOURNAL/JT
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INS/JT
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OF THE INTERNATIONAL SYMPOSIUM ON PTERIDINES AND FOLATES 12T
H BETHESDA MD UNITED STATES JUNE 17 22 2001/JT
E12 66 CHEMISTRY AND CHEM IND JAPAN/JT

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E2 1 ADAM G S/AU
E3 0 --> ADAM G?/AU
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E40 2 ADAM GREG C/AU
E41 2 ADAM GREGORY/AU
E42 7 ADAM GREGORY C/AU
E43 1 ADAM GUDRUN/AU
E44 214 ADAM GUNTER/AU
E45 1 ADAM GUNAR/AU
E46 60 ADAM GUNTER/AU
E47 2 ADAM GUNTER/AU
E48 1 ADAM GUSTAAF/AU

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10 "ADAM GREG"/AU
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7 "ADAM GREGORY C"/AU
21 ("ADAM GREG"/AU OR "ADAM GREG C"/AU OR "ADAM GREGORY"/AU OR "ADAM GREGORY C"/AU)

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718631 2001/so
221934 81/so
1891021 8/so
L6 1 L5 AND 2001/so AND 81/so AND 8/so

=> d ibib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:175793 CAPLUS
DOCUMENT NUMBER: 135:16295
TITLE: Profiling the specific reactivity of the proteome with non-directed activity-based probes

AUTHOR(S): Adam, Gregory C.; Cravatt, Benjamin F.; Sorensen, Erik J.
CORPORATE SOURCE: The Skaggs Institute for Chemical Biology and Department of Chemistry, The Scripps Research Institute, La Jolla, CA, 92037, USA

SOURCE: Chemistry & Biology (2001), 8(1), 81-95

CODEN: CBOLE2; ISSN: 1074-5521
PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal
LANGUAGE: English

OTHER SOURCE(S): CASREACT 135:16295
AB Background: The field of proteomics aims to characterize dynamics in protein function on a global level. However, several classes of proteins, in particular low abundance proteins, remain difficult to characterize using std. proteomics technologies. Recently, chem. strategies have emerged that profile classes of proteins based on activity rather than

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quantity, thereby greatly facilitating the anal. of low abundance constituents of the proteome. Results: In order to expand the classes of proteins susceptible to anal. by activity-based methods, we have synthesized a library of biotinylated sulfonate esters and applied its members to complex proteomes under conditions that distinguish patterns of specific protein reactivity. Individual sulfonates exhibited unique profiles of proteome reactivity that in extreme cases appeared nearly orthogonal to one another. A robustly labeled protein was identified as a class I aldehyde dehydrogenase and shown to be irreversibly inhibited by members of the sulfonate library. Conclusions: Through screening the proteome with a nondirected library of chem. probes, diverse patterns of protein reactivity were uncovered. These probes labeled protein targets based on properties other than abundance, circumventing one of the major challenges facing contemporary proteomics research. Considering further that the probes were found to inhibit a target enzyme's catalytic activity, the methods described herein should facilitate the identification of compds. possessing both selective proteome reactivities and novel bioactivities.

REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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E1 THROUGH E24 ASSIGNED

=> fil reg
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STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry file, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s e1-e24

1 111-87-5/BI

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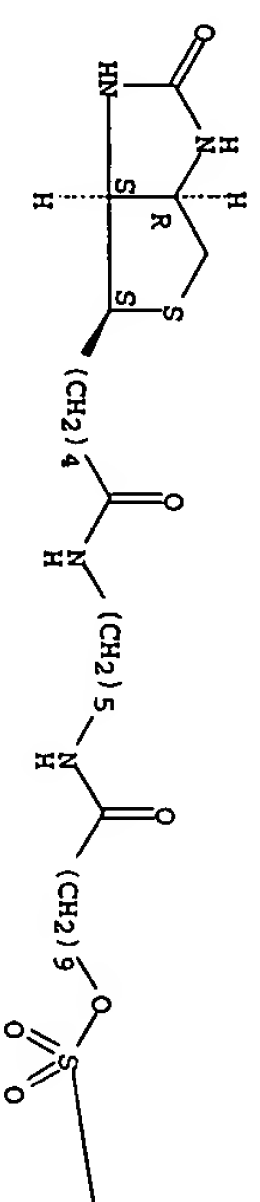
L7 ANSWER 1 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-27-2 REGISTRY

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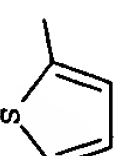
CN 2-Thiophenesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-
thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl
ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H48 N4 O6 S3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PAGE 1-A

PAGE 1-B



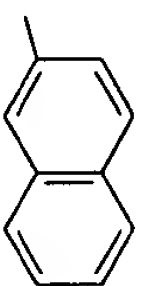
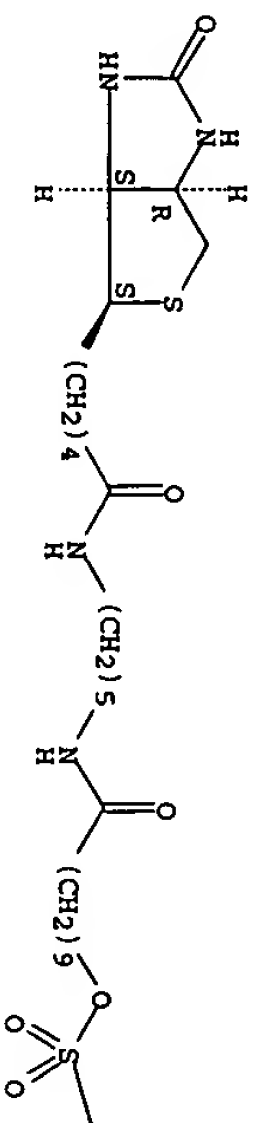
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4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 2 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-26-1 REGISTRY
CN 2-Naphthalenesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-
thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl
ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C35 H52 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

Page 84

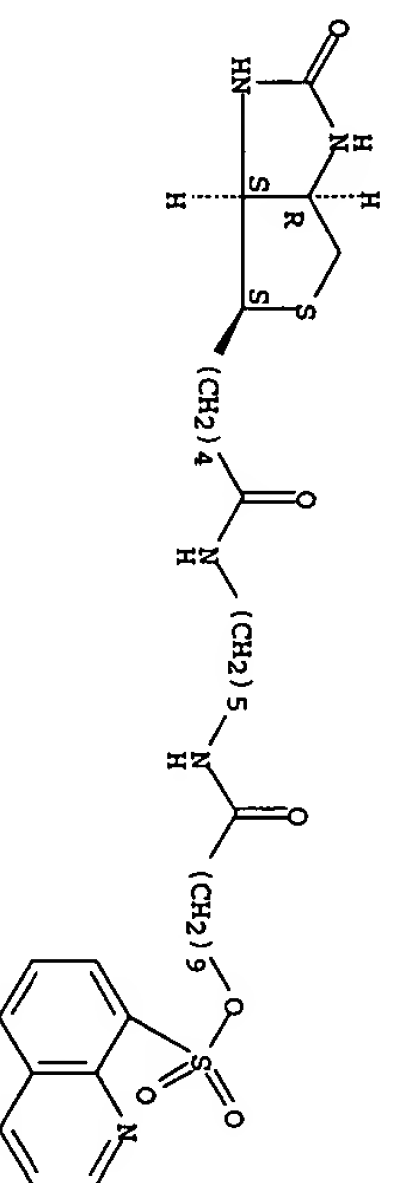


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4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 3 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-25-0 REGISTRY
CN 8-Quinolinesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C34 H51 N5 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

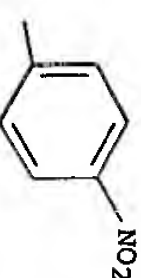
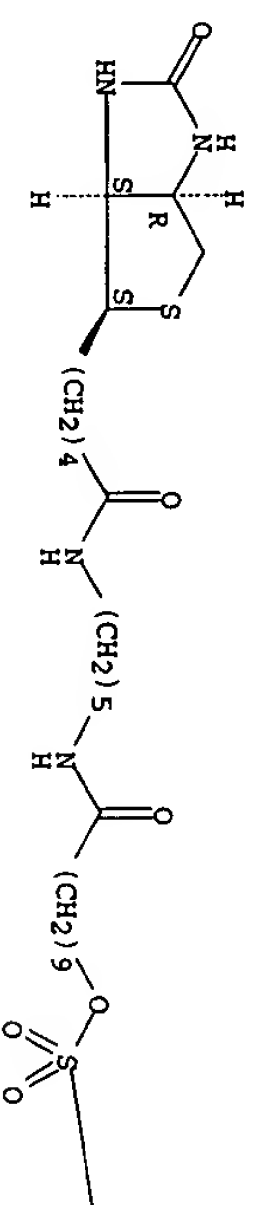


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4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 4 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-24-9 REGISTRY
CN Benzenesulfonic acid, 4-nitro-, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H49 N5 O8 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

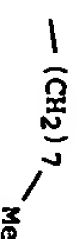
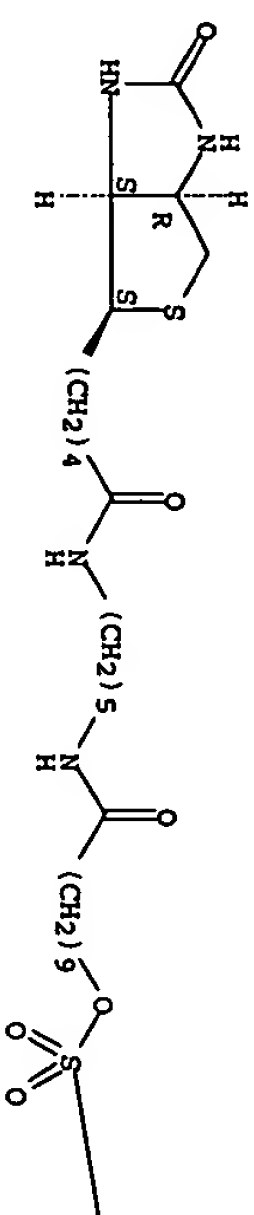


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4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 5 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-23-8 REGISTRY
CN 1-Octanesulfonic acid, 10-[[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C33 H62 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

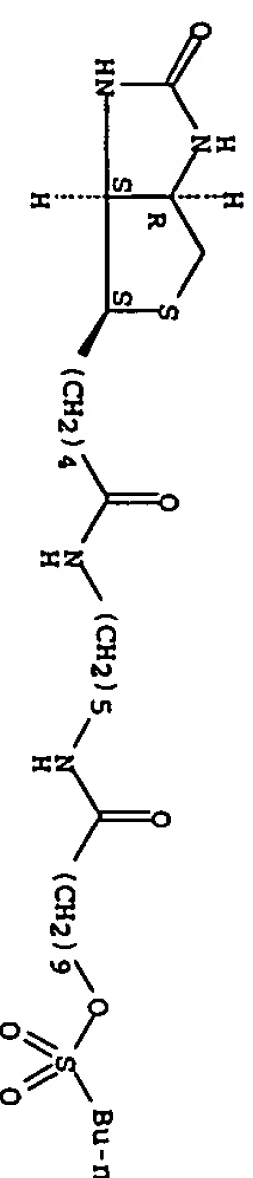


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 6 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-22-7 REGISTRY
CN 1-Butanesulfonic acid, 10-[(5-[(3aS,4S,6AR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H54 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

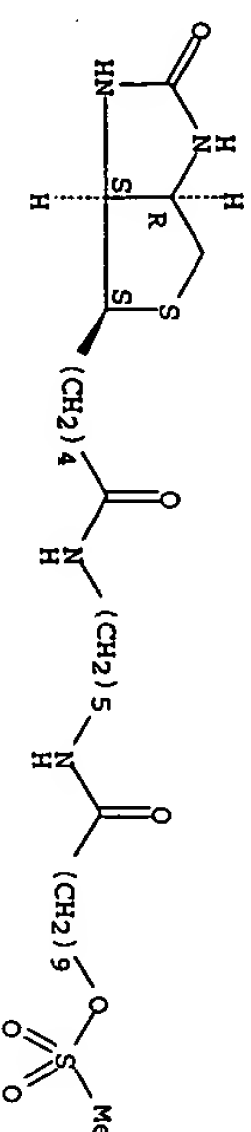


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- 3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 7 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-21-6 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[(10-[(methylsulfonyl)oxy]-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6AR) - (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H48 N4 O6 S2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

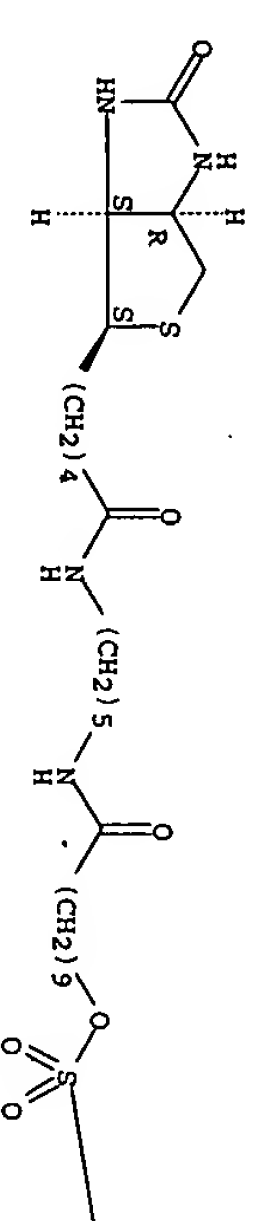


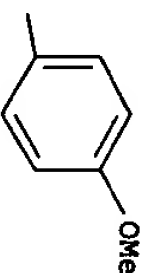
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- 4 REFERENCES IN FILE CA (1957 TO DATE)
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 8 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-20-5 REGISTRY
CN Benzenesulfonic acid, 4-methoxy-, 10-[(5-[(3aS,4S,6AR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]-10-oxodecyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C32 H52 N4 O7 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.





****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

3 REFERENCES IN FILE CA (1957 TO DATE)
3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 9 OF 24 REGISTRY COPYRIGHT 2003 ACS

RN 342792-19-2 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-N-[5-[[10-[[[(4-methylphenyl)sulfonyl]oxy]-1-oxodecyl]amino]pentyl]-2-oxo-, (3aS,4S,6AR)-(9CI) (CA INDEX NAME)

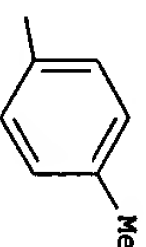
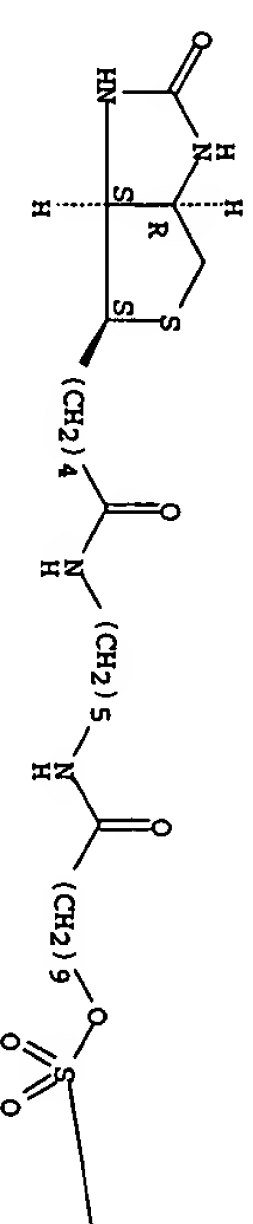
FS STEREOSEARCH

MF C32 H52 N4 O6 S2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

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3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 10 OF 24 REGISTRY COPYRIGHT 2003 ACS

RN 342792-18-1 REGISTRY

CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-2-oxo-N-[5-[[10-oxo-10-[[[phenylsulfonyl]oxy]decyl]amino]pentyl]-, (3aS,4S,6AR)-(9CI) (CA INDEX NAME)

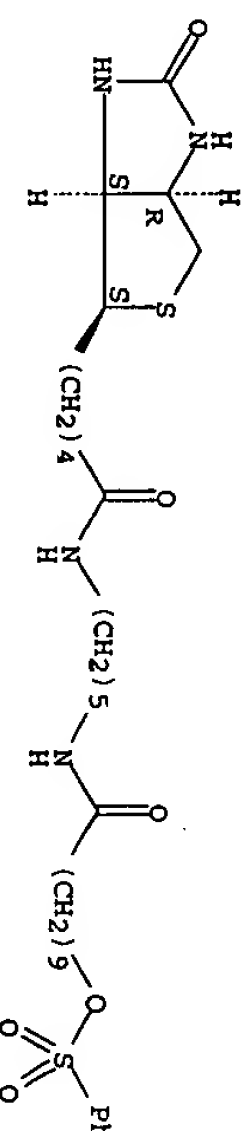
FS STEREOSEARCH

MF C31 H50 N4 O6 S2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



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4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 11 OF 24 REGISTRY COPYRIGHT 2003 ACS

RN 342792-17-0 REGISTRY

CN 2-Pyridinesulfonic acid, 10-[[5-[[5-[[3aS,4S,6AR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl ester (9CI) (CA INDEX NAME)

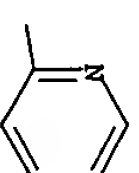
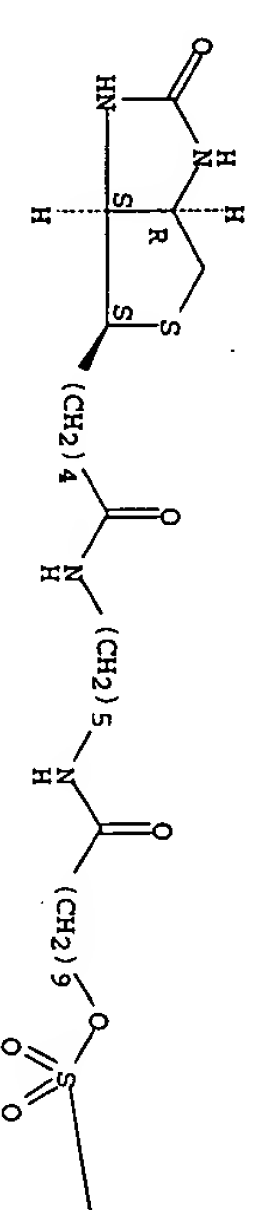
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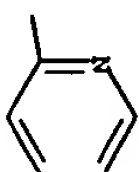
MF C30 H49 N5 O6 S2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

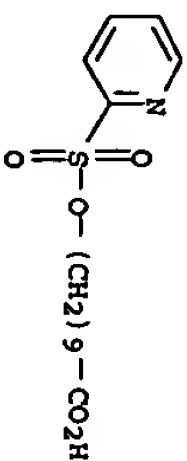




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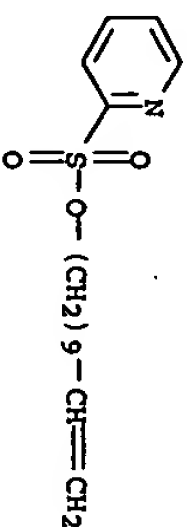
L7 ANSWER 12 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-16-9 REGISTRY
CN Decanoic acid, 10-[(2-pyridinylsulfonyl)oxy] - (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H23 N O5 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



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3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

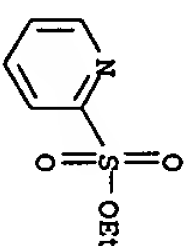
L7 ANSWER 13 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 342792-15-8 REGISTRY
CN 2-Pyridinesulfonic acid, 10-undecenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C16 H25 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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3 REFERENCES IN FILE CAPLUS (1957 TO DATE)

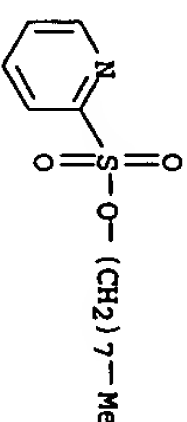
L7 ANSWER 14 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 126092-21-5 REGISTRY
CN 2-Pyridinesulfonic acid, ethyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Ethyl pyridine-2-sulfonate
FS 3D CONCORD
MF C7 H9 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1957 TO DATE)
5 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 15 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 117800-97-2 REGISTRY
CN 2-Pyridinesulfonic acid, octyl ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Octyl 2-pyridinesulfonate
FS 3D CONCORD
MF C13 H21 N O3 S
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)



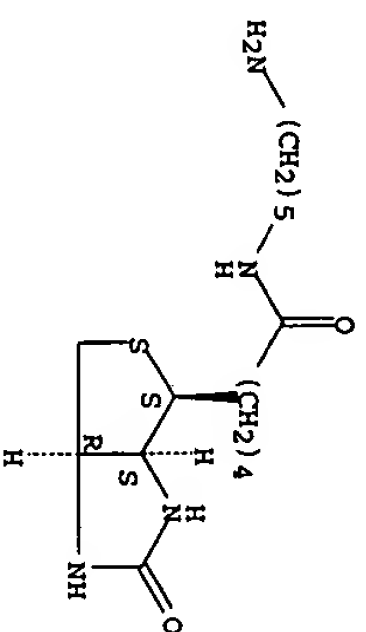
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5 REFERENCES IN FILE CA (1957 TO DATE)
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L7 ANSWER 16 OF 24 REGISTRY COPYRIGHT 2003 ACS

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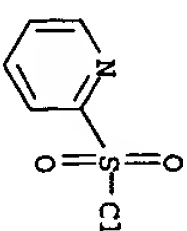
RN 115416-38-1 REGISTRY
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS,4S,6aR) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-
(3aS-(3a.alpha.,4.beta.,6a.alpha.)) -
OTHER NAMES:
CN 5-(Biotinamido)pentylamine
CN Biotinyl cadaverine
CN N-(5-Aminopentyl)biotinamide
FS STEREOSEARCH
MF C15 H28 N4 O2 S
CI COM
SR CA
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE,
TOXCENTER, USPAT2, USPATFULL
Absolute stereochemistry.



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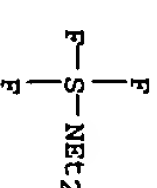
L7 ANSWER 17 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 66715-65-9 REGISTRY
CN 2-Pyridinesulfonyl chloride (6CI, 7CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 2-Pyridinylsulfonyl chloride
CN 2-Pyridylsulfonyl chloride
CN Pyridin-2-sulfonyl chloride
FS 3D CONCORD
MF C5 H4 Cl N O2 S
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER,
USPAT2, USPATFULL
(*File contains numerically searchable property data)

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2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

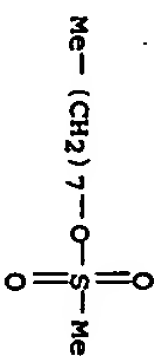
L7 ANSWER 18 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 38078-09-0 REGISTRY
CN Sulfur, (N-ethylethanaminato)trifluoro-, (T-4) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethanamine, N-ethyl-, sulfur complex
OTHER NAMES:
CN (Diethylamino)sulfur trifluoride
CN (Diethylamino)sulphur trifluoride
CN (Diethylamino)trifluorosulfur
CN (N,N-Diethylamino)sulfur trifluoride
CN DAST
CN DAST (fluorinating agent)
CN Diethylaminosulfate trifluoride
CN Trifluoro(dieethylamino)sulfur
MF C4 H10 F3 N S
STN Files: BEILSTEIN*, BIOSIS, CA, CANCERLIT, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSOHEM, CSNB, DETHERM*,
IFICDB, IFIPAT, IFIUDS, IPA, MEDLINE, MSDS-OHS, TOXCENTER, USPAT2,
USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**
(*Enter CHEMLIST file for up-to-date regulatory information)



444 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
444 REFERENCES IN FILE CAPLUS (1957 TO DATE)
L7 ANSWER 19 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 16156-52-8 REGISTRY
CN Methanesulfonic acid, octyl ester (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-Octyl mesylate
CN n-Octyl methanesulfonate
CN Octyl mesylate

Print selected from 09-738,954.crn05/23/2003

CN Octyl methanesulfonate
PS 3D CONCORD
MF C9 H20 O3 S
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX,
TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

88 REFERENCES IN FILE CA (1957 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
88 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 20 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 9028-86-8 REGISTRY
CN Dehydrogenase, aldehyde (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-methyl-2-buten-1-al dehydrogenase
CN aldehyde dehydrogenase
CN aldehyde dehydrogenase (NAD)
CN Alkanal dehydrogenase
CN Coa-independent aldehyde dehydrogenase
CN E.C. 1.2.1.3
CN Levulinic aldehyde dehydrogenase
CN n-methylbenzaldehyde dehydrogenase
CN NAD-aldehyde dehydrogenase
CN NAD-dependent 4-hydroxynonenal dehydrogenase
CN NAD-dependent aldehyde dehydrogenase
CN NAD-linked aldehyde dehydrogenase
CN Propionaldehyde dehydrogenase
MF unspecified
CI MAN

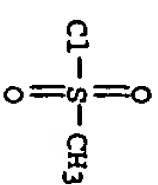
STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, IFICDB,
IFIPAT, IFIUDB, NIOSHTIC, PROMT, TOXCENTER, USPAT2, USPATFULL
Other Sources: EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
3262 REFERENCES IN FILE CA (1957 TO DATE)
23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3271 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L7 ANSWER 21 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 124-63-0 REGISTRY
CN Methanesulfonyl chloride (6CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN Chloro methyl sulfone

Print selected from 09-738,954.crn05/23/2003

CN Methyl chloride
CN Methanesulfonic acid chloride
CN Methanesulphonyl chloride
CN Methyl sulfochloride
CN Methylsulfonyl chloride
FS 3D CONCORD
MF C H3 Cl O2 S
CI COM
LC STN Files: AGRICOLA, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
CASREACT, CAOLD, CAPLUS, CASREACT, CENB, CEN, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CIN, CSCHEM, DETHERM*, DIPPR*, EMBASE, GMEILIN*, HODOC*, HSDB*,
IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT,
RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4138 REFERENCES IN FILE CA (1957 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4144 REFERENCES IN FILE CAPLUS (1957 TO DATE)
39 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 22 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 112-43-6 REGISTRY
CN 10-Undecen-1-ol (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN .omega.-Undecenol
CN .omega.-Undecenyl alcohol
CN .omega.-Undecylenyl alcohol
CN 1-Undecen-11-ol
CN 10-Undecenol
CN 10-Undecenyl alcohol
CN 10-Undecylen-1-ol
CN 11-Hydroxy-1-undecene
CN Undecylenic alcohol
FS 3D CONCORD
DR 118020-80-7
MF C11 H22 O
CI COM

STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, GMEILIN*,
HODOC*, IFICDB, IFIPAT, IFIUDB, PROMT, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

Print selected from 09-738,954.tn05/23/2003

H₂C=CH-(CH₂)₉-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

518 REFERENCES IN FILE CA (1957 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
519 REFERENCES IN FILE CAPLUS (1957 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 23 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 111-87-5 REGISTRY
CN 1-octanol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Octyl alcohol (8CI)

OTHER NAMES:
CN 1-Hydroxyoctane
CN Alfol 8
CN Caprylic alcohol
CN CO 898
CN CO 898 (solvent)
CN Heptyl carbinol
CN n-Octan-1-ol
CN n-Octanol
CN n-Octyl alcohol
CN Octanol
CN Octilin
CN Sipol 18
FS 3D CONCORD
DR 220713-26-8
MF C8 H18 O
CI COM
LC STN files: AGRICOLA, ANABSTR, AQUIRE, BELSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2,
GEMLIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD, IPA, MEDLINE, MRCK*,
MSDS-OHS, NAPALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO,
TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

HO-(CH₂)₇-Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13849 REFERENCES IN FILE CA (1957 TO DATE)
351 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
13876 REFERENCES IN FILE CAPLUS (1957 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Print selected from 09-738,954.tn05/23/2003

L7 ANSWER 24 OF 24 REGISTRY COPYRIGHT 2003 ACS
RN 64-17-5 REGISTRY
CN Ethanol (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethyl alcohol (6CI, 7CI, 8CI)

OTHER NAMES:
CN 100C.NPA
CN AHD 2000
CN Alcare Hand Degermer
CN Alcohol
CN Alcohol anhydrous
CN Algrain
CN Anhydrol
CN Anhydrol PM 4085
CN Desinfektol EL
CN Duplicating Fluid 100C.NPA
CN Esuntru WK 88
CN Ethicap
CN Ethyl hydrate
CN Ethyl hydroxide
CN Hinetolees
CN IMS 99
CN Jaysol
CN Jaysol S
CN Lux
CN Methylcarbinol
CN Molasses alcohol
CN Potato alcohol
CN SDA 3A
CN SDA 40-2
CN SY Fresh M
CN Synasol
CN Tecsol
CN Tecsol C
FS 3D CONCORD
DR 8000-16-6, 8024-45-1, 121182-78-3
MF C2 H6 O
CI COM
LC STN files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BELSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB,
DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
ENCOMPAT, ENCOMPAT2, GEMLIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUD,
IPA, MEDLINE, MRCK*, MSDS-OHS, NAPALERT, NIOSHTIC, PDLCOM*,
PHARMASEARCH, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT,
USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(*Enter CHEMLIST file for up-to-date regulatory information)

H₃C-CH₂-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

150929 REFERENCES IN FILE CA (1957 TO DATE)

Print selected from 09-738,954.trn05/23/2003

1130 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
150997 REFERENCES IN FILE CAPLUS (1957 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG X

	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	43.12	281.67
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-3.91

STN INTERNATIONAL LOGOFF AT 09:23:07 ON 22 MAY 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:888ptal64lmct

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Ask CAS* for self-help around the clock
NEWS 3 New e-mail delivery for search results now available
NEWS 4 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aquatic Toxicity Information Retrieval (AQUIRE)
NEWS 6 now available on STN
NEWS 7 Sequence searching in REGISTRY enhanced
NEWS 8 JAPRO has been reloaded and enhanced
NEWS 9 Experimental properties added to the REGISTRY file
NEWS 10 CA Section Thesaurus available in CAPLUS and CA
NEWS 11 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 12 BRILSTEIN adds new search fields
NEWS 13 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 14 DKILIT has been renamed APOLLIT
NEWS 15 More calculated properties added to REGISTRY

Print selected from 09-738,954.trn05/23/2003

NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX.
ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFUL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPATUL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPI/DI/WPIINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (General Information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:33:14 ON 22 MAY 2003

=> file caplus	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

Print selected from 09-738,954.tin05/23/2003

FILE 'CAPLUS' ENTERED AT 09:33:26 ON 22 MAY 2003
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FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21
FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> e liu yong?/au
E1      3      LIU YONG ZHI/AU
E2      2      LIU YONG ZHOU/AU
E3      0 -->  LIU YONG?/AU
E4      1      LIU YONGAN/AU
E5      6      LIU YONGBIAO/AU
E6      1      LIU YONGBIG/AU
E7      8      LIU YONGBIN/AU
E8      10     LIU YONGBING/AU
E9      1      LIU YONGBU/AU
E10     8      LIU YONGCAI/AU
E11     39     LIU YONGCHANG/AU
E12     41     LIU YONGCHENG/AU

=> more
E13      7      LIU YONGCHUN/AU
E14      1      LIU YONGCUN/AU
E15      2      LIU YONGDE/AU
E16      8      LIU YONGDI/AU
E17     31     LIU YONGDING/AU
E18      6      LIU YONGDONG/AU
E19      1      LIU YONGEN/AU
E20      1      LIU YONGFA/AU
E21      3      LIU YONGFANG/AU
E22     28     LIU YONGFENG/AU
E23     10     LIU YONGFU/AU
E24     30     LIU YONGGANG/AU

=> more
E25      1      LIU YONGGAO/AU
E26     37     LIU YONGGE/AU
E27      1      LIU YONGGUANG/AU
E28      5      LIU YONGGUI/AU
E29      1      LIU YONGGUO/AU
E30      3      LIU YONGHAI/AU
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Print selected from 09-738,954.tin05/23/2003

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E31      6      LIU YONGHAO/AU
E32     20     LIU YONGHE/AU
E33     22     LIU YONGHONG/AU
E34     12     LIU YONGHUA/AU
E35      2      LIU YONGHUAI/AU
E36     22     LIU YONGHUI/AU

=> more
E37      1      LIU YONGJI JIANG/AU
E38      1      LIU YONGJING/AU
E39      1      LIU YONGJIANG/AU
E40      4      LIU YONGJIA/AU
E41     64      LIU YONGJIAN/AU
E42     22     LIU YONGJIANC/AU
E43      1      LIU YONGJIAO/AU
E44     13     LIU YONGJIE/AU
E45      3      LIU YONGJIN/AU
E46      1      LIU YONGJING/AU
E47      1      LIU YONGJU/AU
E48     58     LIU YONGJUN/AU

=> more
E49      2      LIU YONGKAI/AU
E50     19     LIU YONGKANG/AU
E51      1      LIU YONGKUI/AU
E52      6      LIU YONGKUN/AU
E53      1      LIU YONGLAI/AU
E54      1      LIU YONGLAN/AU
E55      1      LIU YONGLE/AU
E56     13     LIU YONGLI/AU
E57      5      LIU YONGLIAN/AU
E58     38     LIU YONGLIANG/AU
E59     10     LIU YONGLIN/AU
E60      2      LIU YONGLING/AU

=> e liu yongs?/au
E61      1      LIU YONGQUO/AU
E62      1      LIU YONGRUN/AU
E63      0 -->  LIU YONGS?/AU
E64      2      LIU YONGSHAN/AU
E65      4      LIU YONGSHAO/AU
E66      2      LIU YONGSHEN/AU
E67     84      LIU YONGSHENG/AU
E68      1      LIU YONGSHU/AU
E69      4      LIU YONGSHUI/AU
E70      1      LIU YONGSHUN/AU
E71     15     LIU YONGSONG/AU
E72      1      LIU YONGTAI/AU

=> e66-e67
E66      2      "LIU YONGSHEN"/AU
E67     84      "LIU YONGSHENG"/AU
E68     86      ("LIU YONGSHEN"/AU OR "LIU YONGSHENG"/AU)

=> li and 96/so and 14694/so
E69     127729 96/so
E70     15 14694/so
E71      1 li and 96/so and 14694/so
E72      1 li and 96/so and 14694/so
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Print selected from 09-738,954.trn05/23/2003

=> d 1b1b abs 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:11215 CAPLUS
DOCUMENT NUMBER: 132:177287
TITLE: Activity-based protein profiling: the serine
hydrolases

AUTHOR(S): Liu, Yongsang; Patricelli, Matthew P.;

CORPORATE SOURCE: Cravatt, Benjamin F.
The Skaggs Institute for Chemical Biology and
Department of Cell Biology, The Scripps Research
Institute, La Jolla, CA, 92037, USA

SOURCE: Proceedings of the National Academy of Sciences of the
United States of America (1999), 96(26),
14694-14699

CODEN: PNASAG; ISSN: 0027-8424

National Academy of Sciences

PUBLISHER:

DOCUMENT TYPE:

LANGUAGE:

English

AB With the postgenome era rapidly approaching, new strategies for the
functional anal. of proteins are needed. To date, proteomics efforts have
primarily been confined to recording variations in protein level rather
than activity. The ability to profile classes of proteins on the basis of
changes in their activity would greatly accelerate both the assignment of
protein function and the identification of potential pharmaceutical
targets. Here, we describe the chem. synthesis and utility of an
active-site directed probe for visualizing dynamics in the expression and
function of an entire enzyme family, the serine hydrolases. By reacting
this probe, a biotinylated fluorophosphonate referred to as FP-biotin,
with crude tissue ext., we quickly and with high sensitivity detect
numerous serine hydrolases, many of which display tissue-restricted
patterns of expression. Addnl., we show that FP-biotin labels these
proteins in an activity-dependent manner that can be followed kinetically,
offering a powerful means to monitor dynamics simultaneously in both
protein function and expression.

REFERENCE COUNT: 40

THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> select rn
ENTER ANSWER SET OR SMARTSELECT L# OR (L2):12
ENTER ANSWER NUMBER OR RANGE (1-):end

=> sel rn
E73 THROUGH E88 ASSIGNED

	SINCE FILE	TOTAL
=> file reg	ENTRY	SESSION
COST IN U.S. DOLLARS	11.89	12.10

	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	11.89	12.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-0.65	-0.65

FILE 'REGISTRY' ENTERED AT 09:36:44 ON 22 MAY 2003
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Print selected from 09-738,954.trn05/23/2003

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9
DICTIONARY FILE UPDATES: 20 MAY 2003 HIGHEST RN 518004-10-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STnote 27, Searching Properties
in the CAS Registry File, for complete details:

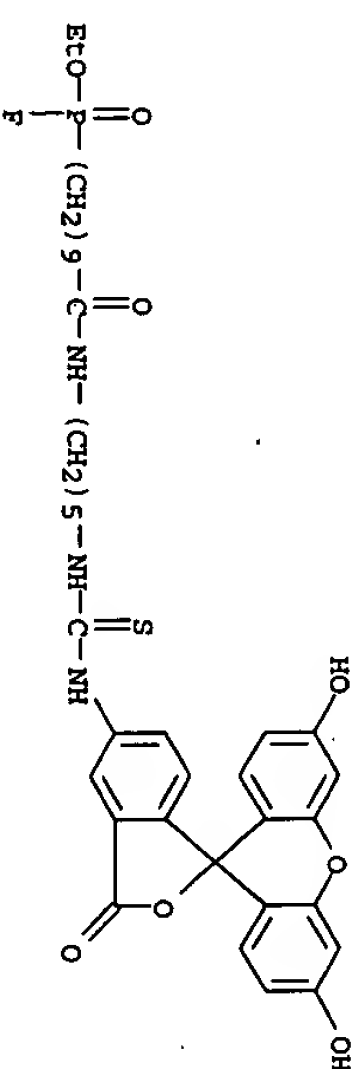
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e73-e88

1 115416-38-1/BI
(115416-38-1/RN)
1 122-52-1/BI
(122-52-1/RN)
1 153301-19-0/BI
(153301-19-0/RN)
1 156125-40-5/BI
(156125-40-5/RN)
1 259270-26-3/BI
(259270-26-3/RN)
1 259270-27-4/BI
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1 259270-28-5/BI
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(259270-29-6/RN)
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1 51148-67-5/BI
(51148-67-5/RN)
1 6066-82-6/BI
(6066-82-6/RN)
1 73562-30-8/BI
(73562-30-8/RN)
1 7766-49-6/BI
(7766-49-6/RN)
1 87328-05-0/BI
(87328-05-0/RN)
1 9027-41-2/BI
(9027-41-2/RN)
1 98-59-9/BI
(98-59-9/RN)
16 (115416-38-1/BI OR 122-52-1/BI OR 153301-19-0/BI OR 156125-40-5/
BI OR 259270-26-3/BI OR 259270-27-4/BI OR 259270-28-5/BI OR
259270-29-6/BI OR 37259-58-8/BI OR 51148-67-5/BI OR 6066-82-6/BI
OR 73562-30-8/BI OR 7766-49-6/BI OR 87328-05-0/BI OR 9027-41-2/
BI OR 98-59-9/BI)

=> d 1-16

L3 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2003 ACS
 RN 259270-29-6 REGISTRY
 CN Phosphonofluoridic acid, [10-[[[5-[[[3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-[9H]xanthen)-5-yl]amino]thioxomethyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C38 H47 F N3 O8 P S
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

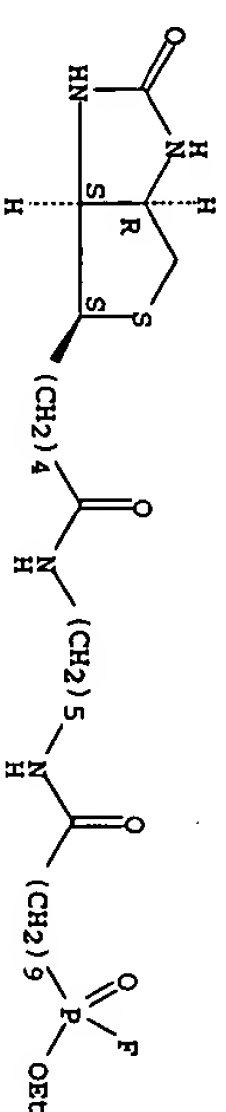


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 2 OF 16 REGISTRY COPYRIGHT 2003 ACS
 RN 259270-28-5 REGISTRY
 CN Phosphonofluoridic acid, [10-[[[5-[[[3aS,4S,6aR]-hexahydro-2-oxo-1H-chieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI)
 (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H50 F N4 O5 P S
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

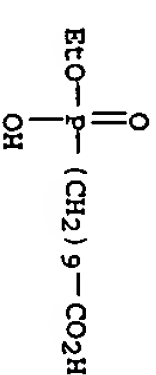
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)

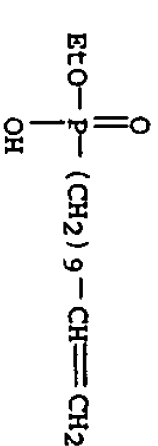
4 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 L3 ANSWER 3 OF 16 REGISTRY COPYRIGHT 2003 ACS
 RN 259270-27-4 REGISTRY
 CN Decanoic acid, 10-(ethoxyhydroxyphosphinyl)- (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C12 H25 O5 P
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

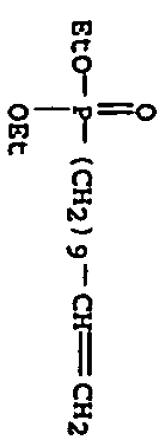
L3 ANSWER 4 OF 16 REGISTRY COPYRIGHT 2003 ACS
 RN 259270-26-3 REGISTRY
 CN Phosphonic acid, 10-undecenyl-, monoethyl ester (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C13 H27 O3 P
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1957 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 5 OF 16 REGISTRY COPYRIGHT 2003 ACS
 RN 156125-40-5 REGISTRY
 CN Phosphonic acid, 10-undecenyl-, diethyl ester (9CI)
 (CA INDEX NAME)
 OTHER NAMES:
 CN Diethyl 10-undecenylphosphonate
 FS 3D CONCORD
 MF C15 H31 O3 P
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1957 TO DATE)
6 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 153301-19-0 REGISTRY

CN Amidase, fatty acid (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Amidase, cis-9-octadecenamide

CN Anandamidase

CN Anandamide amidase

CN Anandamide amidohydrolyase

CN Anandamide hydrolase

CN Arachidonyl ethanolamide amidase

CN cis-9,10-octadecenoamidase

CN cis-9-Octadecenamide amidase

CN Fatty acid amidase

CN Fatty acid amide hydrolase

CN Fatty acid aminohydrolyase

CN Fatty acid ethanolamide hydrolase

CN N-Arachidonyl ethanolamine amidohydrolyase

CN N-Palmitoyl ethanolamine hydrolase

CN Oleamide hydrolase

CN Oleamide hydrolase

DR 178037-69-9, 162731-88-6

MF Unspecified

CI MAN

SR CA

LC STN Files: ADISNWS, AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, EMBASE, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

140 REFERENCES IN FILE CA (1957 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

141 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 115416-38-1 REGISTRY

CN 1H-thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-

(3aS,4S,6aR) - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-thieno[3,4-d]imidazole-4-pentanamide, N-(5-aminopentyl)hexahydro-2-oxo-

(3aS-(3a.alpha.,4.beta.,6a.alpha.))-

OTHER NAMES:

CN 5-(Biotinamido)pentylamine

CN Biotinyl cadaverine

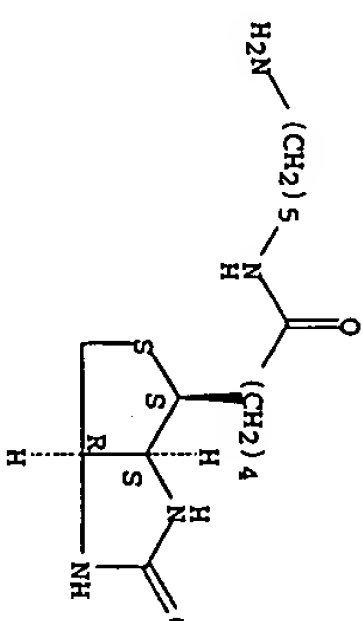
CN N-(5-Aminopentyl)biotinamide

FS STEREOSEARCH

MF C15 H28 N4 O2 S

CI COM
SR CA
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

60 REFERENCES IN FILE CA (1957 TO DATE)

6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

61 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 87328-05-0 REGISTRY

CN Thiourea, N-(5-aminopentyl)-N'-(3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H),9'-(9H)xanthen)-5-yl] - (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Spiro[isobenzofuran-1(3H),9'-(9H)xanthen], thiourea deriv.

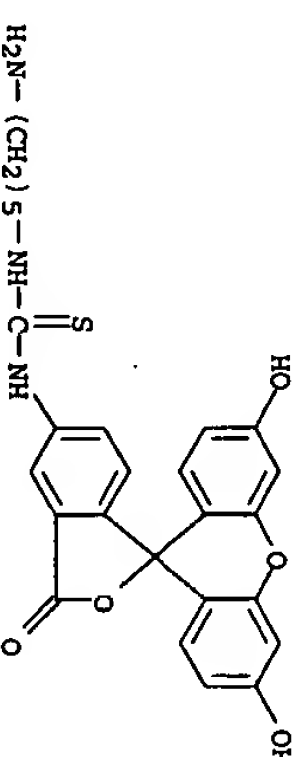
AR 56923-81-0

FS 3D CONCORD

MF C26 H25 N3 O5 S

CI COM

LC STN Files: CA, CAPLUS, CASREACT, CSCHEM, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

23 REFERENCES IN FILE CA (1957 TO DATE)

Print selected from 09-738,954.tn05/23/2003

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
23 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 73562-30-8 REGISTRY
CN Peptidase, acylaminoacyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN .alpha.-N-Acylpeptide hydrolase
CN Acetylaminocyl-peptide hydrolase
CN Acetylpeptide hydrolase
CN Acylamino acid-releasing enzyme
CN Acylaminoacyl peptidase
CN Acylpeptide hydrolase
CN E.C. 3.4.14.3
CN E.C. 3.4.19.1
CN Hydrolase, acylpeptide
CN N-Acylpeptide hydrolase
DR 95567-87-6
MF Unspecified
CI MAN
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CIN, PROMT, TOXCENTER, USPATFULL

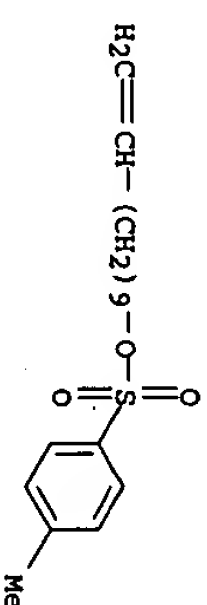
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

59 REFERENCES IN FILE CA (1957 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
60 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 51148-67-5 REGISTRY
CN 10-Undecen-1-ol, 4-methylbenzenesulfonate (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10-Undecen-1-yl p-toluenesulfonate
CN 10-Undecen-1-yl tosylate
CN 10-Undecenyl p-toluenesulfonate
CN 10-Undecenyl tosylate
CN 10-Undecenyl-4-toluenesulfonate
FS 3D CONCORD
MF C18 H28 O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

56 REFERENCES IN FILE CA (1957 TO DATE)
56 REFERENCES IN FILE CAPLUS (1957 TO DATE)

Print selected from 09-738,954.tn05/23/2003

L3 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 37259-58-8 REGISTRY
CN Proteinase, serine (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bacillus alk. serine proteinase
CN Bactosol SI
CN Caldolase
CN Ceraatobin
CN Gene easter serine proteinase
CN Herpes simplex virus type 1 proteinase
CN Proteinase R
CN Proteinase T
CN Proteins, gene easter
CN Proteins, gene snake
CN Prozyme 6
CN Serine endopeptidase
CN Serine esterase
CN Serine peptidase
CN Serine proteinase
CN Serine proteinase
CN Serine-type proteinase
CN Seryl proteinase
CN Tryase
DR 139074-63-8, 116036-72-7
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: BINECS**
(*Enter CHEMLIST file for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

5875 REFERENCES IN FILE CA (1957 TO DATE)
87 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5889 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 9027-41-2 REGISTRY
CN Hydrolase (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Adrelase
CN Hydrolytic enzymes
MF Unspecified
CI MAN
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

2641 REFERENCES IN FILE CA (1957 TO DATE)
42 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2649 REFERENCES IN FILE CAPLUS (1957 TO DATE)

L3 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2003 ACS
RN 7766-49-6 REGISTRY

Print selected from 09-738,954.tn05/23/2003

CN 1-Undecene, 11-Iodo- (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11-Iodo-1-undecene
CN Undec-10-enyl iodide
FS 3D CONCORD
DR 146846-82-4
MF C11 H21 I
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX,
TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

$H_2C=CH-(CH_2)_9-I$

****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

34 REFERENCES IN FILE CA (1957 TO DATE)
34 REFERENCES IN FILE CAPLUS (1957 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 14 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 6066-82-6 REGISTRY
CN 2,5-Pyrrolidinedione, 1-hydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Succinimide, N-hydroxy- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1-Hydroxy-2,5-pyrrolidinedione

CN 1-Hydroxy succinimide

CN Hydroxy succinimide

CN N-Hydroxy-2,5-dioxypyrrolidine

CN N-Hydroxy succinimide

FS 3D CONCORD

MF C4 H5 N O3

CI COM

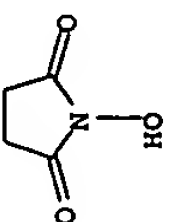
LC

STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
BIOTECNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*,
IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, SPECINFO,
SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST file for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

Print selected from 09-738,954.tn05/23/2003

3299 REFERENCES IN FILE CA (1957 TO DATE)
206 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
3308 REFERENCES IN FILE CAPLUS (1957 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 15 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 122-52-1 REGISTRY

CN Phosphorous acid, triethyl ester (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN triethoxyphosphine

CN triethyl phosphite

CN Triis(ethoxy)phosphine

FS 3D CONCORD

MF C6 H15 O3 P

CI COM

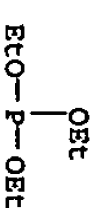
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STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA,
CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,
CSCHEM, DETHERM*, GMEIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
MEDLINE, MSDS-OHS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT,
USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST file for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

4332 REFERENCES IN FILE CA (1957 TO DATE)
86 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4338 REFERENCES IN FILE CAPLUS (1957 TO DATE)
74 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 16 OF 16 REGISTRY COPYRIGHT 2003 ACS

RN 98-59-9 REGISTRY

CN Benzenesulfonyl chloride, 4-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN p-Toluenesulfonyl chloride (8CI)

OTHER NAMES:

CN 4-Methylbenzenesulfonyl chloride

CN 4-Methylphenylsulfonyl chloride

CN 4-Tosyl chloride

CN p-Methylbenzenesulfonyl chloride

CN p-Methylphenylsulfonyl chloride

CN p-Toluenesulfonyl chloride

CN p-Toluenesulfonyl acid chloride

CN p-Toluenesulfonyl chloride

CN p-Tolylsulfonyl chloride

CN p-Tosyl chloride

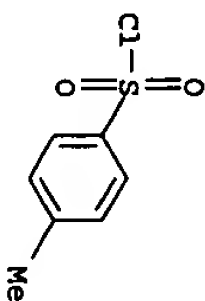
CN Toluenesulfonyl chloride

Tosyl chloride

Print selected from 09-738,954. tln05/23/2003

FS. 3D CONCORD
MF C7 H7 Cl O2 S
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GHELIN*, HODOC*, HSDB*, IPICB, IPIPAT, IFIUD, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, SPECINFO, SYNTLINE, TOXCENTER, TULSA, USPAT2, USPATFULL

(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST file for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5891 REFERENCES IN FILE CA (1957 TO DATE)
81 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5901 REFERENCES IN FILE CAPLUS (1957 TO DATE)
35 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
CA SUBSCRIBER PRICE

SINCE FILE ENTRY	TOTAL SESSION
28.08	40.18
SINCE FILE ENTRY	TOTAL SESSION
0.00	-0.65

FILE 'CAPLUS' ENTERED AT 09:38:18 ON 22 MAY 2003
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FILE COVERS 1907 - 22 May 2003 VOL 138 ISS 21

Print selected from 09-738,954. tln05/23/2003

FILE LAST UPDATED: 21 May 2003 (20030521/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 259270-28-5/rn
4 259270-28-5
0 259270-28-5D
L4 4 259270-28-5/RN
(259270-28-5 (NOTL) 259270-28-5D)

=> d lbib abs hitstr 1-4

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:221903 CAPLUS
DOCUMENT NUMBER: 138:250709
TITLE: Serine/threonine hydrolases of of normal and neoplastic prostate and their use in antitumor screening and cancer diagnosis

INVENTOR(S): Smith, Jeffrey W.; Kridel, Steven J.; Axelrod, Fumiko T.

PATENT ASSIGNEE(S): The Burnham Institute, USA
SOURCE: PCT Int. Appl., 78 pp.
CODEN: PIXD2

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003023355	A2	20030320	WO 2002-US28438	20020904
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

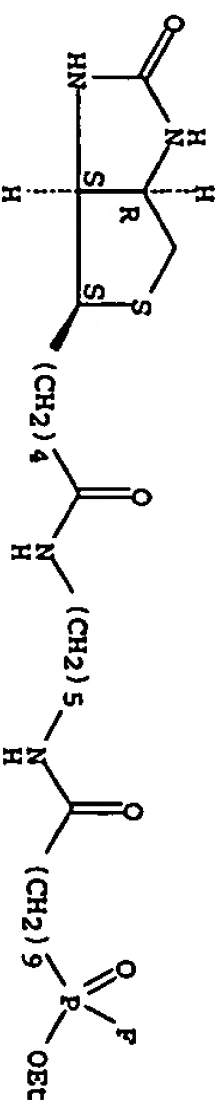
PRIORITY APPLN. INFO.: US 2001-317842P P 20010906

AB Proteins specific for prostate epithelial cells, normal or neoplastic, are identified and used for diagnosis, development of antibodies, and for evaluating drugs that react with the neoplastic specific proteins. Affinity based probes are used that react specifically with the active site to provide a measure of the enzyme activity of the cells. Thus, serine hydrolase activities of normal prostate epithelial cells and of LNCaP, C4-145, and PC-3 prostate cancer cells were analyzed. Numerous differences in sol. and membrane-assoc. activities were obsd. For example, fatty acid synthase was found in all prostate cancer cells but not in normal prostate cells while carboxylesterase II was found in the normal but not in the cancer cells. Affinity probes, such as N-(10-(fluoroethoxyphosphoryl)decyl)-5-(aminothiocarbonylamino)pentylamino fluorescein, were prepd. and used in the anal. of hydrolase activity.

IT 259270-28-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(serine/threonine hydrolases of of normal and neoplastic prostate and their use in anticancer screening and cancer diagnosis)
RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino)pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:763323 CAPLUS
DOCUMENT NUMBER: 135:315598
TITLE: Methods for proteomic analysis using activity based probes for target proteins
INVENTOR(S): Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PATENT ASSIGNEE(S): Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 119 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

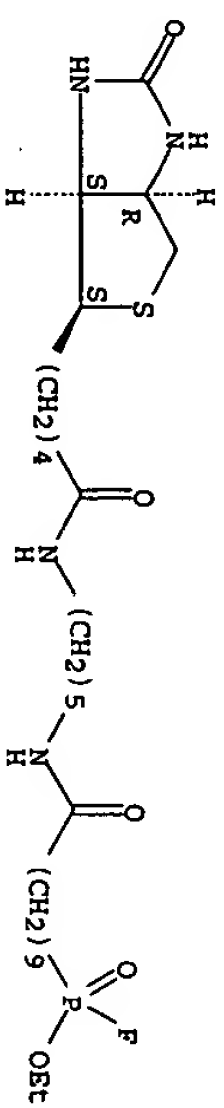
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077684	A2	20011018	WO 2000-US34187	20001215
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RM: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002045194	A1	20020418	US 2000-738954	20001215
EP 1275006	A2	20030115	EP 2000-990226	20001215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002040275	A1	20020404	US 2001-836148	20010416
US 2002064799	A1	20020530	US 2001-836145	20010416
US 2002182652	A1	20021205	US 2002-158498	20020529
PRIORITY APPLN. INFO.:				
US 2000-195954P	P	20000410	US 2000-212891P	P 20000620
US 2000-222532P	P	20000802		

US 2000-738271 A1 20001215
US 2000-738954 A1 20001215
WO 2000-US34187 W 20001215

OTHER SOURCE(S): MARPAT 135:315598
AB The present invention provides methods for analyzing proteomes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to screen for one or more desired biol. activities or target proteins.

IT 259270-28-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(FP-biotin; methods for proteomic anal. using activity based probes for target proteins)
RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[(5-[(5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1-oxopentyl]amino)pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:763309 CAPLUS
DOCUMENT NUMBER: 135:315597
TITLE: Methods for bioactivity screening of candidate compounds using activity based probes
INVENTOR(S): Cravatt, Benjamin F.; Sorensen, Erik; Patricelli, Matthew; Lovato, Martha; Adam, Gregory
PATENT ASSIGNEE(S): Scripps Research Institute, USA
SOURCE: PCT Int. Appl., 118 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077668	A2	20011018	WO 2000-US34167	20001215
WO 2001077668	A3	20020606		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				

CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, AM, AZ, BY, BG, CA, CH, CL, CN, CO, CR, CU, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GW, ML, MR, NE, SN, TD, TG

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PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

MARPAT 135:315597

AB The present invention provides methods for analyzing proteomes, as cells or lysates. The anal. is based on the use of probes that have specificity to the active form of proteins, particularly enzymes and receptors. The probes can be identified in different ways. In accordance with the present invention, a method is provided for generating and screening compd. libraries that are used for the identification of lead mols., and for the parallel identification of their biol. targets. By appending specific functionalities and/or groups to one or more binding moieties, the reactive functionalities gain binding affinity and specificity for particular proteins and classes of proteins. Such libraries of candidate compds., referred to herein as activity-based probes, or ABPs, are used to screen for one or more desired biol. activities or target proteins.

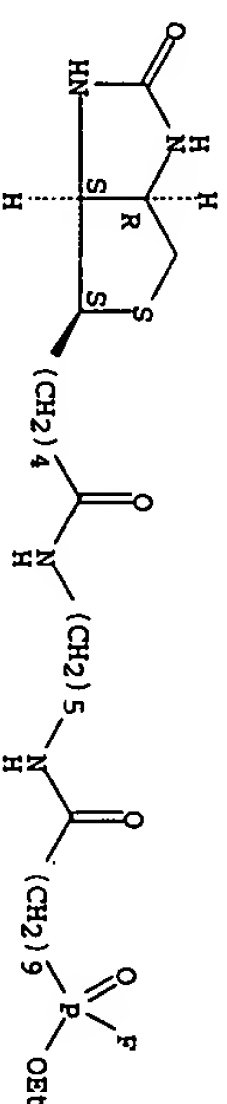
IT 259270-28-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(FP-biotin; methods for bioactivity screening of candidate compds. using activity based probes)

RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[[[5-[[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:11215 CAPLUS
DOCUMENT NUMBER: 132:177287
TITLE: Activity-based protein profiling: the serine hydrolases

AUTHOR(S): Liu, Yongsheng; Patrice, Matthew P.; Cravatt,

CORPORATE SOURCE:

Benjamin F. The Skaggs Institute for Chemical Biology and Department of Cell Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
Proceedings of the National Academy of Sciences of the United States of America (1999), 96(26), 14694-14699
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PUBLISHER: Journal

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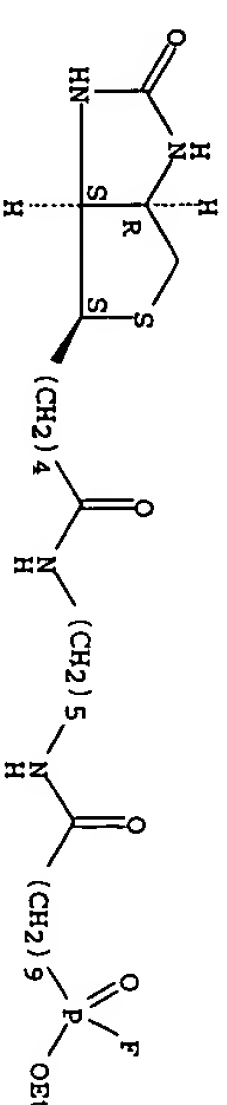
AB With the postgenome era rapidly approaching, new strategies for the functional anal. of proteins are needed. To date, proteomics efforts have primarily been confined to recording variations in protein level rather than activity. The ability to profile classes of proteins on the basis of changes in their activity would greatly accelerate both the assignment of protein function and the identification of potential pharmaceutical targets. Here, we describe the chem. synthesis and utility of an active-site directed probe for visualizing dynamics in the expression and function of an entire enzyme family, the serine hydrolases. By reacting this probe, a biotinylated fluorophosphonate referred to as FP-biotin, with crude tissue exts., we quickly and with high sensitivity detect numerous serine hydrolases, many of which display tissue-restricted patterns of expression. Adnl., we show that FP-biotin labels these proteins in an activity-dependent manner that can be followed kinetically, offering a powerful means to monitor dynamics simultaneously in both protein function and expression.

IT 259270-28-5P

RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RN 259270-28-5 CAPLUS
CN Phosphonofluoridic acid, [10-[[[5-[[[3aS,4S,6aR]-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]amino]pentyl]amino]-10-oxodecyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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